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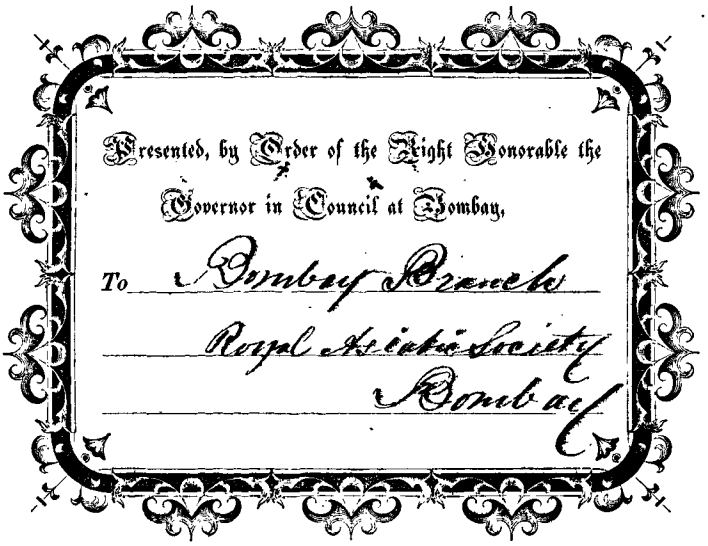
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BOMBAY GOVERNMENT OBSERVATORY.

PARTS I. AND II.

MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

133487

1863.

INTRODUCTION TO THE MAGNETICAL AND METEOROLOGICAL OBSERVATIONS.

For 1863.

The situation of the Government Observatory at Bombay is fully described in the Observatory volumes of 1849 and 1850. Its Latitude and Longitude as given in previous volumes are:—

Latitude.....	18° 53′ 30″ North.
Longitude	4h 51m 16·32s. East.

On my taking charge of the Observatory in September 1863, I found the Staff of the Observatory to consist of the following persons:—

Magnetical Department.

Goverdhun Luxumon C.....	First Assistant.
Naro Balcrishna P.....	Second do.
Baboo Moreshwer	First Observer.
Gunesh Narayen	Second do.
Crishnajee Gunesh	Third do.
Narayen Ramchundra	Computer.

Astronomical Department.

Govind Ramchundra	First Assistant.
Hurree Chintamon	Second do.

The duty of the Observers in the Magnetical Department is to take hourly observations of Magnetical and Meteorological instruments; and that of the Assistants is to reduce those observations and to draw out the Results. They take also the Dip and Deflection Observations and extraordinary Observations of Electricity.

The duty of the Assistants in the Astronomical Department is to take Observations of stars for finding out correct time, and to signal the same to the shipping in the harbour by drop of ball daily at 1 p. m., Bombay civil time. They also have to examine and reduce the Meteorological Observations which are sent from outstations in the Presidency for despatching to the Home Authorities in England annually.

The instruments actually observed in the Magnetical Department during the year 1863 were as follows:—

Two Declinometers, two Horizontal Force Magnetometers with their attached Thermometers, Vertical Force Magnetometer with its attached Thermometer, Dip Circle, Deflec-

tion Apparatus, two Standard Barometers with their attached Thermometers, one Thermometer in the free air, one Wet Bulb Thermometer, one Electrometer, one Newman's Rain Gauge, one Osler's self-registering Rain and Wind Gauge, and one self-registering Tide Gauge.

Some of these instruments, I am sorry to say, are not in good working order, and I have reported the same to Government.

I have followed the same system of observation and reduction as my predecessors heretofore had followed, with the exception that some half-a-dozen tables of Horizontal Intensity corrected for circumambient air in the Magnetical Results are not prepared, being considered as superfluous.

I may here remark in justice to my 1st Assistant, Mr. Naro Balcrishna, that he has rendered every assistance in preparing for the press this present volume, which has been delayed through the long illness and subsequent death of his predecessor, Mr. Goverdhun Luxumon.

W. L. SEARLE, F.R.A.S.,
Lieutenant, H. M. I. N.

Colaba Observatory, 1st October 1864.

DECLINATION.

This has been observed hourly throughout the year, except Sundays and a few other general holidays, by two instruments—one large and one small Declinometer. For their description and the detail of their adjustments, and for the mode of observing them, the reader is referred to the Introduction to the volumes for 1845 and 1846. This year the Declinometers remained under the same adjustment as they were in 1862, there being no cause for re-adjusting.

Large Declinometer.

When this was adjusted in 1861, the zero-point or the scale reading corresponding to the magnetic axis of the Declination magnet was determined to be 28·2733 Scale division, and the arc value of one integer of the scale = 6′50″·5 = 6′·841; and the Tortion coefficient $1 + \frac{n}{r} = 1{\cdot}0028$.

The readings of the Declinometer Scale are taken on the central wire of the Transit instrument, which is kept always in true astronomical meridian by observing fixed meridian mark and by observations of stars periodically. Hence each observation itself, without any correction, is the measure of Magnetic Declination in scale readings, which is easily turned into arc value by the observer with the help of a table constructed by the following formula:—

$$D = (R - Z)\left(1 + \tfrac{n}{r}\right) a$$

in which D is the absolute Declination in arc, R the Scale reading at any time, Z the Zero reading of the Scale, $(1 + \frac{H}{F})$ the Tortion coefficient, and a the Arc value of one Scale division.

Small Declinometer.

Small Declinometer or the Unifilar Magnetometer was also under previous year's adjustment. The assumed Zero reading of the Scale was 20·74 Scale division, the Tortion coefficient $1 + \frac{H}{F} = 1{\cdot}0016$, and the Arc value of one Scale division $= 5'{\cdot}23$. The Scale readings were reduced to Arc value by the formula, $D = (R - Z)(1 + \frac{H}{F})\,a$.

The principal use of this instrument is to take observations of Deflection for absolute measurement of horizontal intensity; measuring Declination is a secondary use of it; and though hourly observations are made, reduced to arc value and registered, in order to have a sort of check on the indications of large Declinometer, yet they are considered as superfluous to be printed in the volume. The following table will show the comparative monthly mean values of Declination as shown by both the instruments:—

Table I.—*Showing the Values of Absolute Easterly Declination in Arc as shown by the Large and Small Declinometers during the year* 1863.

Months 1863.	Large Declinometer.	Small Declinometer.	Monthly changes in the Large Declinometer.	Monthly changes in the Small Declinometer.
January	32·598	28·85	....	....
February	32·768	28·93	0·170	0·08
March	34·010	29·04	1·242	0·11
April	34·331	29·27	0·321	0·23
May.....	33·690	29·05	— 0·641	— 0·22
June.....	33·437	29·79	— 0·253	0·74
July.....	33·749	30·92	0·312	1·13
August.....	33·789	31·33	0·040	0·41
September ..	34·428	31·67	0·639	0·34
October	34·692	31·59	0·264	— 0·08
November ..	34·526	31·62	— 0·166	0·03
December....	35·454	31·93	0·928	0 31
Annual Mean.	33·956	30·333	....	....

The changes in both the instruments are neither equal nor similar, and this is probably owing to the dissimilar state in which they stand. The small Declinometer is disturbed in taking observations for Deflection and Tortion; but the large Declinometer remains untouched generally from year to year.

Once in a month the time of one vibration was determined with a view to find out whether any appreciable change in the magnetic moments of the Declination magnets had taken place. The following table will show the times of vibration of both the instruments:—

Table II.—*Showing the Time of one Vibration of Large and Small Declinometers in each month of the year* 1863.

Months 1863.	Large Declinometer.	Small Declinometer.	Months 1863.	Large Declinometer.	Small Declinometer.
	s	s		s	s
January	13·04	3·48	July	13·04	3·48
February	13·05	3·48	August	13·06	3·50
March.....	13·05	3·48	September	13·08	3·48
April	13·02	3·48	October	13·05	3.48
May	13·00	3.48	November	13·05	3.48
June	13·08	3·48	December	13·05	3·48

Annual Changes in the Magnetic Declination.

To ascertain this the following table was prepared from the observations published in the previous volumes of the Observatory :—

Table III.—*Showing the Annual Mean Declination in Arc.*

Year.	Annual Mean Declination.	Changes from year to year.
	° ′ ″	° ′ ″
1845....	0 13 3	....
1846....	0 13 0	-0 0 3
1847....	0 14 2	0 1 2
1848....	0 14 23	0 0 21
1849....	0 14 40	0 0 17
1850	0 15 50	0 1 10
1851....	0 16 46	0 0 56
1852	0 16 45	0 0 1
1853....	0 18 8	0 1 23
1854....	0 18 5	-0 0 3
1855....	0 19 20	0 1 15
1856....	0 18 55	0 0 25
1857....	0 19 17	0 0 22
1858....	0 19 48	0 0 31
1859....	0 21 25	0 1 37
1860....	0 23 57	0 2 32
1861....	0 27 6	0 3 9
1862....	0 30 31	0 3 25
1863....	0 33 57	0 3 26

From this table it appears at once that the Magnetic Declination, or the angle which the magnetic meridian makes with the astronomical meridian, is progressively increasing from year to year. The increase from 1845 to 1850 was 2′ 47″; from 1850 to 1855, 3′ 40″; from 1855 to 1860, 4′ 37″; and from 1860 to 1863 the increase in the Declination was 10′ 00″. The mean annual increase in the first period of five years was about 30″, in the second about 45″, in the third about 1′, and in the fourth period—that is from 1860 to 1863—the Declination was increasing by 3′ 20″ annually.

Horizontal Force.

The changes in the horizontal component of the Earth's Magnetic Force have been observed hourly throughout the year with two instruments—one large Horizontal Force Magnetometer placed in the large Observatory, and the other small Horizontal Force Magnetometer placed in a small adjoining building to the large Observatory.

The large Horizontal Force is of the same construction as that described in the Royal Society's Report for 1840, and the small is of the same construction as the Bifilar Magnetometer described in Lieutenant Riddle's Magnetic Instructions. The details of their adjustment and the method of observation, as well as the way of determining the values of constants used in reducing the Scale readings to Absolute Measure of Force, are given in the introduction to the volumes of 1845 and 1846 and in the subsequent volumes.

In the year 1863 both the instruments were under previous years' adjustments, and undermentioned were the true values of constants for reducing the observations of large Horizontal Force Magnetometer.

The arc-value of one Scale division $a = 10'50''{\cdot}6 = 10'{\cdot}844$ or $a = 0{\cdot}003154$ in parts of radius. The angle of Tortion $v = 56°\ 17'\ 40''$ as determined in 1855 when the instrument was adjusted, and consequently the coefficient of reduction $k = a \cot v = 0{\cdot}002104$.

Temperature Coefficient.

This has been given in the previous years as $Q = 0{\cdot}18$ Scale divisions, and the same was adopted in correcting the hourly observations for temperature in this year. The following table was prepared to test the accuracy of it:—

Table IV.

Months 1863.	Absolute Horizontal Intensity from Deflection Observations.	Calculated Scale Readings of Horizontal Force corresponding to the Intensity in each month at 83°5 Fah.	Large Horizontal Force Observed.		Differences	
			Scale Readings.	Attached Thermometer.	Of corrected and observed Scale Readings.	Of adopted and observed Temperature.
	En. Un.	Sc. Div.	Sc. Div.		Sc. Div.	
January.....	8·075	21·50	21·97	79°5	+ 0·47	— 4°0
February	·082	21·91	22·39	81·1	+ ·48	— 2·4
March	·077	21·61	22·34	83·3	+ ·73	— 0·2
April.....	·079	21·73	21·59	86·2	— ·14	+ 2·7
May	·085	22·08	21·30	88·8	— ·78	+ 5·3
June	·081	21·85	21·37	86·4	— ·48	+ 2·9
July	·087	22·20	21·81	83·7	— ·39	+ 0·2
August	·068	21·08	20 90	82·8	— ·18	— 0·7
September....	·076	21·55	21·11	83·4	— ·44	— 0 1
October.	·079	21·73	21·59	85·1	— ·14	+ 16
November....	·081	21·85	22·13	82·5	+ .28	— 1·0
December	·081	21·85	22·24	79·5	+ ·39	— 4·0
Annual Mean .	8·079	.....	21·73	83·5	.....	.....

In the second column of the table is given the monthly Mean Absolute Horizontal Intensity obtained from Deflection and Vibration experiments; in the fourth and fifth are the observed mean readings of the Bifilar and its attached thermometer at the time of experiment; in the third column are the Bifilar Scale readings calculated or corrected for the changes in the Magnetic Force of the Earth, on the supposition that at the mean temperature 83°5 the Bifilar mean reading 21·73 exactly corresponds to the mean intensity 8.079 En. un.; and the sixth column shows the differences of calculated and observed Scale readings or the changes which the Bifilar has undergone in consequence of changes in the temperature, from the temperature 83°5, as shown in the seventh column.

All the signs of these differences, except in August and September, quite agree with the supposition that the Bifilar Scale readings increase or decrease as the temperature of the magnet decreases or increases. Rejecting, therefore, the two irregular months, the value of Q, the temperature coefficient, from the remaining ten months is 0·176 or 0·18 Scale divisions nearly as found out in the previous years.

Reduction of Observations.

The formula for determining the changes of Horizontal Force, in parts of the whole Horizontal Force, from the Bifilar Scale Readings is:—

$$\frac{\delta x}{x} = k\{f + Q(t - 80°) - F\}$$

and for determining the Absolute Horizontal Intensity from the Scale readings at any time is

$$X = x + \delta x = x + kx\{f + Q(t - 80°) - F\}$$

in which X is the Absolute Horizontal Intensity at the time of observation; x is the Absolute Horizontal Intensity, independently determined at the time when the instrument was adjusted and corresponding to the Zero reading; k the coefficient of reduction; f the observed uncorrected Scale reading; Q the coefficient of temperature; t the observed temperature corresponding to f; 80° the standard temperature to which the observations are reduced; and F the Zero reading corresponding to x. But in practice it has been found more safe to put for x and F respectively, the previous years' Mean Horizontal Intensity found from deflections and vibrations, and its corresponding Mean Scale reading of the Bifilar, corrected for temperature. Putting the numerical values of the constants in the equation, viz.—

$x = 8{\cdot}070$ last year's Mean Intensity from Deflection,
$k = 0{\cdot}002104$ as given above,
$Q = 0{\cdot}18$ as determined above,
$F = 21{\cdot}92$ corrected Mean Scale reading corresponding to 8·070,

we get the formula for reducing the hourly observations to be —

$$X = 8{\cdot}070 + 0{\cdot}017 \{f + 0{\cdot}18 (t - 80) - 21{\cdot}92\}.$$

But the hourly observations, given in the body of the volume, are actually reduced from 1st to 31st January by the formula,

$$X = 8{\cdot}0452 + 0{\cdot}0164 \{f + 0{\cdot}18 (t - 80) - 21{\cdot}00\};$$

and from 1st February to the end of the year, the formula used is

$$X = 8{\cdot}0543 + 0{\cdot}0164 \{f + 0{\cdot}18 (t - 80) - 21{\cdot}00\}.$$

Consequently a correction of + 0·0091 must be given to the values of Horizontal Intensity up to the end of January, and a further correction of + 0·0006 d (d = corrected Scale readings—21·00) shall have to be given throughout the year to the values of Horizontal Intensity printed in the hourly observations.

Absolute Determination of Horizontal Intensity by Experiments.

These experiments consist of two parts, Deflection and Vibration; and about an hour is occupied in making them. They are made once a week on Saturday, if practicable, at about noon, Bombay mean time, when the changes in the Temperature and Horizontal Intensity are not generally very great, and consequently no correction is required to be given on their account.

The method of these experiments is fully described in the volume for 1850, and is just the same as that of Professor Gauss. The magnets used for this purpose are small solid cylinders. The one in the small Declinometer marked I·11 and 2·46 inches in length, is deflected by another magnet, marked A·51 and 3·00 inches in length, from different distances 1·1 and 1·2 feet. Deflections, at first, are measured in Scale readings and then turned into Arc values. Afterwards A·51 is vibrated in another apparatus, and generally from 300 vibrations the time of one vibration is determined. The lengths of these magnets are made in such proportion that it simplifies the calculation very much.

The following formulæ are used in these calculations:—

$$X = \frac{\pi}{t} \sqrt{\frac{2}{1+k} \cdot \frac{K}{R^3 \tan u}}$$

$$t = \sqrt{T^2 \left(1 + \frac{H}{F}\right)}$$

$$2 L M = X \cdot R^3 \tan u \cdot \frac{1+k}{2}$$

In which

X = Absolute Horizontal Intensity.

π = 3·1416.

t = corrected T.

l + k = Tortion coefficient of I·11

K = 2·254 moment of inertia of A·51

R = The distance between the centres of deflected and deflecting magnets.

u = The angle of Deflection.

T = Time of one vibration of A·51 corrected for rate of chronometer.

$l + \frac{H}{F}$ = Tortion coefficient of A·51

2 L M = Magnetic moment of A·51

At the beginning and close of each experiment, the Scale readings of large and small Horizontal Force with their attached thermometers are observed, and their mean is given as the corresponding reading to each absolute determination. Intensities from absolute determinations and those calculated from their corresponding Scale readings of large Horizontal Force are given in the following table, and their agreement or difference will be at once seen :—

TABLE V.—*Showing the Monthly Mean Values of Horizontal Intensity from Absolute Determination and calculated from the Scale Readings of Horizontal Force Magnetometer in* 1863.

Months 1863.	Value or number of Observations.	Small Horizontal Force.		Large Horizontal Force.		Large Horizontal Force Scale Readings corrected for Temperature.	Calculated Horizontal Intensity from corrected Scale Readings.	Horizontal Intensity obtained from Absolute Determination.	Difference.	Value of L M. of A 51.
		Scale Readings.	Attached Thermometers.	Scale Readings.	Attached Thermometers.					
		Sc. Div.	°	Sc. Div.	°	Sc. Div.	En. Un.	En. Un.	En. Un.	En. Un.
January	5	17·87	74·3	21·97	79·5	21·88	8·0693	8·0754	–0·0061	0·0818
February ..	4	18·45	76 8	22·39	81·1	22·59	;0814	·0820	– ·0006	·0817
March.....	4	19·33	79·4	22·34	83·3	22·93	·0870	·0775	·0095	·0818
April	4	19·27	83·6	21·59	86·2	22·70	·0833	·0790	·0043	·0817
May	5	18·63	86·0	21·30	88·8	22·88	·0863	·0856	·0007	·0816
June	2	18·70	84·1	21·37	86·4	22·52	·0802	·0810	– ·0008	·0816
July	3	20·09	81·2	21·81	83·7	22·48	·0795	·0867	– ·0072	·0816
August	3	18·65	80·6	20·90	82·8	21·40	·0612	·0680	– ·0068	·0817
September ..	3	18·69	80·7	21·11	83·4	21·72	·0666	·0760	– ·0094	·0817
October	5	18·84	81·0	21·59	85·1	22·51	·0800	·0794	·0006	·0816
November ..	4	17·96	77·7	22·13	82·5	22·58	·0812	·0812	·0000	·0815
December ..	4	17·15	74 7	22·24	79·5	22·15	·0739	·0810	– ·0071	·0815
Annual Mean.	....	18·64	80·0	21·73	83·5	22·36	8·0775	8·0791	– ·0019	0·0817

In some months the two intensities agree remarkably well, but in others, and particularly in the rainy months, they disagree in the third figure of decimals, still not beyond the probable error of a single determination from Deflections and Vibrations.

In 1862 the Mean Annual Horizontal Intensity, obtained from Deflections was 8·0700 English units, and corresponding Scale reading of large Horizontal Force corrected for temperature was 21·92 Scale divisions. Now, if we compare these quantities with those of the present year, as given in the above table, we get 0·0092 En. un. = 0·54 Scale divisions

as the increase during this year in the Absolute Horizontal Force over that of the last year; but the actual increase in the large Horizontal Force Scale readings was 0·44 instead of 0·54 Scale divisions. So that there was a difference only of one-tenth of a Scale division or 0·0017 En. un. in the intensity obtained from experiments and the intensity calculated from the Scale readings of large Horizontal Force Magnetometer. From such a trifling difference, it is not safe to conclude that the elastic force of the suspension wires or the magnetism of the suspended bar has undergone any appreciable change since last year.

The following table shows the time of one Vibration, in each month, of large and small Horizontal Force Magnetometers in 1863:—

TABLE VI.

Months 1863.	Time of one Vibration of Large Horizontal Force.	Time of one Vibration of Small Horizontal Force.	Months 1863.	Time of one Vibration of Large Horizontal Force.	Time of one Vibration of Small Horizontal Force.
	s.	*s.*		*s.*	*s.*
January	16·25	3·50	July	16·22	3·50
February	16·25	3·50	August	16·20	3·50
March	16·25	3·50	September	16·18	3·50
April	16·23	3·50	October	16·25	3·50
May	16·21	3·50	November	16·25	3·50
June	16·28	3·50	December	16·25	3·50
Annual Mean	.....	.....	.....	16·24	3·50

ANNUAL CHANGES IN THE EARTH'S MAGNETIC FORCE.

In the following table are given the Mean Annual Values of Absolute Horizontal Intensity, obtained from Deflection experiments and published in the Observatory volumes every year, in order to have an idea, at a glance, of the changes which the Magnetic Force of the Earth is undergoing every year since 1847.

TABLE VII.—*Showing the Mean Annual Values of Absolute Horizontal Intensity in each year from* 1847 *to* 1863.

Years.	Annual Horizontal Intensity from Deflections.	Change from year to year.
	En. Un.	
1847....	7·9462	
1848....	·9493	0·0031
1849....	·9602	·0109
1850....	·9726	·0124
1851....	·9754	·0028
1852....	8·0038*	·0284
1853....	·0058†	·0020
1854....	·0042	−·0016
1855....	·0060	·0018
1856....	·0278	·0218
1857....	·0375	·0097
1858....	·0386	·0011
1859....	·0533	·0147
1860....	·0552	·0019
1861....	·0678	·0126
1862....	·0700	·0022
1863....	·0792	·0092

* This mean is from 6 months' observations.
† This mean is from 9 months' observations.

From this table it appears that the Horizontal component of the Earth's Magnetic Force is increasing from year to year; but there is no apparent regularity in the increase. Arranging these values into groups we get 0·009 En. un. for the mean annual increase from 1847 to 1850, 0·007 En. un. from 1850 to 1855, 0·010 En. un. from 1855 to 1860, and from 1860 to 1863 we get 0·008 En. un. for the increase of the Magnetic Force of the Earth.

Vertical Force Magnetometer.

The description and adjustment of Vertical Force Magnetometer are given in detail in the introduction to the volume of 1850. The constants used in reducing the Scale readings into Vertical Intensity this year are:—

The angular value of the movement of the magnet, producing a change of one integer of the scale $= a = 2'4''5 \cdot 5 = 2 \cdot 7'6 = 0 \cdot 000803$ in parts of radius.

Time of one vibration in the horizontal plane $T' = 12 \cdot 9^s$ as determined in 1850.

The assumed time of one vibration in vertical plane $T = 11 \cdot 00^s$, and the observed Mean Dip in 1862 was $\theta = 19°\ 7'\ 6''$.

Hence the coefficient of reduction $k = a.\ \cot \theta . \frac{T'^2}{T^2} = 0 \cdot 0032$, and the formula for determining the changes in vertical force in parts of the whole force is:—

$$\delta y = k \{ f + 0 \cdot 03\ (t - 80) - 42 \cdot 14 \}.$$

$$\therefore\ Y = y + \delta y = y + y\ k \{ f + 0 \cdot 03\ (t - 80) - 42 \cdot 14 \}$$

is the formula for determining Vertical Intensity from observed Scale readings; in which Y is the Vertical Intensity at any time after adjustment, $y = 2 \cdot 7974$ is the Mean Vertical Intensity of 1862, calculated from $x = 8 \cdot 070$ Horizontal Intensity and Mean Dip, $\theta = 19°\ 7'\ 6''$, f the uncorrected Scale reading, 0·03 Temperature coefficient, and 42·14 the Zero reading corresponding to 2·7974. Putting the value of y in the above equation we have,

$$Y = 2 \cdot 7974 + 0 \cdot 0090 \{ f + 0 \cdot 03\ (t - 80) - 42 \cdot 14 \}.$$

However, on account of the irregularities in the movements of the Vertical Force Magnetometer, it requires often to be re-adjusted, and necessarily the formula for calculation changed.

Vertical Intensity as given in the hourly observations, is calculated from 1st January to 1st March by the formula,

$$Y = 2 \cdot 7910 + 0 \cdot 011 \{ f + 0 \cdot 03\ (t - 80) - 42 \cdot 14 \}.$$

From 1st March to 2nd October the formula used was,

$$Y = 2 \cdot 7740 + 0 \cdot 011 \{ f + 0 \cdot 03\ (t - 80) - 51 \cdot 00 \}$$

and from 2nd to the 31st October the formula was,

$$Y = 2 \cdot 7740 + 0 \cdot 011 \{ f + 0 \cdot 03\ (t - 80) - 46 \cdot 82 \}.$$

On the 31st October Vertical Force Magnetometer again adjusted, and the formula of reduction used from that date to the end of the year was,

$$Y = 2 \cdot 7924 + 0 \cdot 011 \{ f + 0 \cdot 03\ (t - 80) - 43 \cdot 00 \}.$$

From the values of Vertical Intensity calculated by the help of these formulæ and the values of Horizontal Intensity, the Dip is calculated by the formula $\tan \theta = \frac{Y}{X}$ (in which θ is the Dip, Y the Vertical and X Horizontal Intensity), and is given with Horizontal and Vertical Intensities in the hourly observations. But these are to be used for determining hourly and daily changes and not for absolute measures, as they are affected with the unavoidable instrumental irregularities.

Dip.

Magnetic Dip is observed twice a week, on Tuesday and Friday, at about 1 hour before noon, Bombay civil time. The Dip circle is by H. Barrow of London; its

description and the method of observation is given in the introductions to the volumes of 1850 and 1853. The instrument is not of the highest order, and the discrepancies which appear now and then in the observations, are attributable rather to the imperfect cylindricality of the axis of needles than to any other cause.

The following observations were made in different azymuths, in the months of October and November, in order to ascertain, if possible, more accurately the Magnetic Dip at Bombay.

TABLE VIII.—*Observations of Dip in Different Azymuths taken on the 23rd October* 1863.

Azymuth.	Observed Dip.									Dip Corrected for Azymuth.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*	Mean Dip.	
°										
45 E	24°22′5	26°50′0	26°15′0	24°20′0	26°05′0	24°05′0	24°22′5	26°45′0	25°23′8	18°33′5
9 E	18·20·0	19·20·0	19·50·0	18·45·0	20·20·0	19·02·5	18·42·5	20·35·0	19·21·9	19·08·7
Meridian	18·02·5	19·32·5	19·22·5	18·32·5	20·10·0	18·32·5	18·20·0	20·27·5	19·07·5	19·07·5
9 W	18·32·5	20·22·5	20·05·0	19·00·0	20·35·0	18·40·0	18·37·5	20·35·0	19·33·4	19·20·0
45 W	25·25·0	28·32·5	27·45·0	25·37·5	27·55·0	25·32·5	25·32·5	28·35·0	26·51·9	19·42·4

Mean of all these gives 19° 10′·4 as the true Dip, which is nearly equal to the Annual Mean Dip of 1863 :—

TABLE IX.—*Observations of Dip taken in November* 1863.

Azymuth.		Observed Mean Dip.	Corrected Values of Dip.	Mean Dip.
°	°			
0	180	19°29′9	19°29′9	
15	165	20·00·1	19·22·3	
30	150	21·45·6	19·04·2	19°24′1
45	135	26·45·3	19·37·2	
60	120	35·07·0	19·22·4	
75	105	53·48·2	19·28·6	

This result is quite discordant with the above and the Annual Mean Dip.

On the 17th December 1863, observations of Inclination were made simultaneously with two instruments, one by Gilbert and the other by H. Barrow (usually used in Dip Observations), with three different needles. The following table will show the result:—

TABLE X.

Position of the Needles, Poles.	Face of the Needle.	Face of the Instrument.	H. Barrow's Instrument.			Gilbert's Instrument.		
			H. Barrow's Needle.	Gilbert's Needles.		H. Barrow's Needle.	Gilbert's Needles.	
			A 2	A 2*	A 1	A 2	A 2*	A 1
Direct	with L	East	21·37·5	18·22·5	19·07·5	19·00·0	19·10·0	19·00·0
,,	,,	West	17·00·0	20·05·0	18·52·5	18·00·0	18·00·0	18·15·0
,,	from L	,,	22·50·0	18·15·0	19·02·5	18·25·0	19·15·0	18·25·0
,,	,,	East	17·20·0	20·50·0	18·57·5	18·10·0	18·40·0	19·35·0
Reversed	with L	,,	16·57·5	19·20·0	19·30·0	19·10·0	19·40·0	18·50·0
,,	,,	West	17·27·5	19·02·5	18·40·0	18 20·0	22·00·0	18·50·0
,,	from L	,,	17·42·5	19·55·0	18·37·5	17·45·0	18·00·0	19·10·0
,,	,,	East	18·17·5	19·00·0	19·22 5	18·45·0	20·35·0	18·30·0
Mean Dip	....	....	18·39·1	19·21·1	19·01·2	18·26·9	19·25·0	18·49·4

* The needle used in usual Dip Observations.

This result confirms the supposition that the defect lies with needles, as well as with instruments, to a certain extent.

The following table will show the Monthly Mean Dip and the number of observations from which the Monthly Mean is determined.

TABLE XI.

Months 1863.	Number of Observations.	Observed Mean Dip.
January	9	19°13·1
February.....	7	19·16·3
March.....	8	19·12·5
April	7	19·11·1
May.....	8	19·15·5
June	9	19· 8·7
July.....	9	19· 8·4
August.....	7	19· 7·4
September	9	19· 8·4
October	9	19· 7·6
November	8	19· 8·2
December.....	9	19·11·0
Annual Mean		19·10 7

TOTAL INTENSITY.

Monthly and Hourly Mean Values of Total Intensity are calculated from corrected Values of Horizontal Intensity and Dip, as given in the Magnetic Results, by the formula—

$$R = X. \text{ cosec } \theta$$

in which R is the Total Intensity, X Horizontal Intensity, and θ the Dip.

METEOROLOGICAL INSTRUMENTS.

All of these instruments and their positions are fully described in the introduction to the volume of 1847 and in some subsequent volumes.

Meteorological observations are taken and registered in Bombay mean time, reckoning the day from midnight to midnight.

Hourly observations of Barometer are reduced to 32° Fah. by tables given in the Royal Society's Report for 1840.

Pressure of Moisture and Temperature of Dew Point are calculated from wet bulb and its depression below the dry bulb thermometer by tables prepared in this Observatory by Professor Orlebar of the Elphinstone College.

The remaining Hygrometric Elements are all calculated from the temperature of free air, the temperature of dew-point, and the height of barometer by tables copied out from the introduction to the Greenwich Observations for 1845.

Direction of wind, as given in the hourly observations, is taken from the registry of the Osler's self-registering anemometer, described in the introduction to the volume of 1848.

Force of wind, as given in the observations, is ascertained either by Lynd's wind gauge or by estimation, when below 2 lbs.; but all forces above 2 lbs. are taken from Osler's registry.

Fall of rain was measured by Newman's gauge hourly, and in the side remarks daily fall by Osler's self-registering gauge is given.

Names and signs of clouds in the hourly weather observations are generally the same as those adopted by Mr. Howard, with some additional symbolic combinations described in the previous volumes.

Electrical apparatus is described in the introduction to volume for 1857.

Side-remarks, in the body of the volume, show the extreme readings of the principal meteorological instruments and their departure, in each month, from the normal means as deduced from the preceding 17 years' observations.

Cloudless days and the days of lightning, thunder and rain are all distinctly numbered from the beginning of the year. Mean daily temperature of ground 20 and 60 inches below the surface, is also given in the side remarks for each day.

No observations of Tide-gauge are given this year in consequence of the instrument having been found to be inefficient.

BOMBAY GOVERNMENT OBSERVATORY.

MAGNETICAL OBSERVATIONS.

1863.

DAILY OBSERVATIONS, FROM 1ST TO 4TH JANUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JAN. 1ST-Noon.	32°769	21.83	83°0	41.56	82°1	8.0588	2.7846	19°04'2	B	4 12 p.m.
1	32.906	21.67	82.1	41.60	81·5	·0562	.7851	19.04.8	B	5 12 „
2	33.455	21.56	80.6	41.57	80.7	.0544	.7847	19.05.0	B	6 12 „
3	33.523	21.58	79.6	41.71	80·2	.0547	.7863	19.05.3	B	7 12 „
4	33·317	21.61	79.4	41.91	79·5	.0552	.7885	19.06.2	B	8 12 „
5	32.769	21.03	78.5	42.08	79·3	.0523	.7903	19.07.3	G	9 12 „
6	33.729	20.40	77.5	42.06	78·5	.0354	.7891	19.09.0	G	10 12 „
7	33.729	20.60	77.2	42.09	78·2	.0386	.7904	19.09.0	G	11 12 „
8	33.386	20·86	77.0	42.03	77·5	.0429	.7898	19.08.3	G	Midnight.
9	32.769	21.01	77.0	42.13	77.5	.0454	.7909	19.08.4	R	1 12 a. m.
10	32·769	21.11	76.7	42.12	77.2	.0470	.7908	19.08.2	R	2 12 „
11	32.974	21.03	76.2	42.41	77.0	.0457	.7940	19.09.6	R	3 12 „
12	31.740	21.33	76.0	42.60	76.5	.0506	·7961	19.09.7	R	4 12 „
13	31.671	21.34	75.5	42.65	76.5	.0508	.7966	19.09.9	B	5 12 „
14	31.465	21.23	75.0	42.77	75.6	.0490	.7979	19.10.6	B	6 12 „
15	32.083	21·23	74.7	42.86	75.2	.0490	.7989	19.11.0	B	7 12 „
16	33.317	21.29	75.8	42.97	75.5	.0500	·8001	19.11.4	B	8 12 „
17	34.209	21.44	77.5	42.68	76.0	.0525	.7969	19.09.7	G	9 12 „
18	33.455	21.45	78.8	42.41	77.0	.0526	.7940	19.08.1	G	10 12 „
19	31.397	21.55	79.9	42.35	78.2	.0542	.7933	19.08.3	G	11 12 „
20	31.397	21.63	81.0	41.97	79.0	.0555	.7891	19.06.3	G	Noon.
21	31.397	21.54	81.6	41.58	79.4	.0541	.7848	19.05.6	R	1 12 p. m.
22	32.083	21.40	81.5	41.60	80.0	.0518	.7851	19.05.3	R	2 12 „
23	32.083	21.34	81.9	41.68	80·5	.0508	·7855	19.05.7	R	3 12 „
JAN. 2ND-Noon.	32.014	21.37	81.8	41.43	80.9	.0513	.7832	19.04.7	R	4 12 „
1	32.014	21.55	81.1	41.43	80.9	.0542	.7832	19.04.3	B	5 12 „
2	32.426	21.29	80·4	41.40	80.1	.0500	.7851	19.05.6	B	6 12 „
3	32.974	21.17	79·5	41.89	79·5	.0480	.7882	19.07.0	B	7 12 „
4	32.906	21.24	79.0	41.97	79.1	.0492	.7891	19.07.2	B	8 12 „
5	33.043	21.16	78.0	41.96	78.7	.0478	.7890	19.0.74	G	9 12 „
6	33·729	21.40	77.5	42.22	78.0	.0518	.7919	19.07.8	G	10 12 „
7	33.729	21.21	77.0	42.43	77.5	.0487	.7942	19.09.2	G	11 12 „
8	32.769	21.15	76·9	42·42	77.3	.0476	.7941	19.09.4	G	Midnight.
9	32.426	21.29	76.9	42.32	77.3	.0500	.7930	19.08.7	R	1 12 a. m.
10	32.426	21.26	76.7	42·41	77.0	.0495	.7940	19.09.1	R	2 12 „
11	32.083	21.22	76.5	42.46	77.0	.0488	.7945	19.09.4	R	3 12 „
12	31.945	21.28	76.0	42·50	76·5	.0498	.7950	19.09.5	R	4 12 „
13	32.288	21.24	75.6	42.68	76.0	.0492	.7969	19.10.2	B	5 12 „
14	32.083	21.25	75.3	42 85	75.6	.0493	.7988	19.11.0	B	6 12 „
15	32.426	21.45	75·3	42.78	75.3	.0526	.7980	19.10·2	B	7 12 „
16	33·112	21.55	76.1	43.08	75.4	.0542	.8011	19.11.3	B	8 12 „
17	34.346	21.70	77.8	42.98	76.1	.0567	.8002	19.10.5	A	9 12 „
18	34.758	22.14	78.8	42.70	76.5	.0639	.7978	19.08.7	A	10 12 „
19	34.141	22.10	79.7	42.23	77.8	.0632	.7920	19.06.6	A	11 12 „
20	33.123	22.23	81.0	41.96	78.5	.0654	.7890	19.05.1	A	Noon.
21	34.141	22.06	82.3	41.74	79.8	.0626	.7866	19.04.5	R	1 12 p. m.
22	32.837	21.84	83.0	41.36	80.8	.0596	.7824	19.03.3	R	2 12 „
23	32.494	21.77	83.6	41.44	81.0	·0579	.7833	19.03.9	R	3 12 „
JAN. 4TH-Noon.	32.631	21.89	83.8	41.38	82.6	.0598	.7821	19.03.1	B	4 12 „
1	32.494	21.58	82.6	41.51	82.0	.0547	.7841	19.04.2	B	5 12 „
2	32.426	21.45	81.5	41.69	81·2	.0526	.7860	19.05.5	B	6 12 „
3	32.837	21.42	80.5	42.02	80.5	.0521	.7897	19.07.1	B	7 12 „
4	33.043	21·15	80.0	42.20	80.0	.0476	.7917	19.08.5	B	8 12 „
5	33.249	21.33	79.8	42.23	79.5	.0506	.7920	19.08.2	A	9 12 „
6	32.769	21.33	78.5	42.21	79.0	.0506	.7918	19.08.1	A	10 12 „
7	33.249	21.19	78.0	42.36	78.5	.0483	.7934	19.09.1	A	11 12 „
8	33.249	21.55	77.8	42.44	78.0	·0542	.7943	19.08.7	A	Midnight.
9	33.112	21.25	77.8	42.24	78.0	.0493	.7921	19.08.4	R	1 12 a. m.
10	33.112	21.31	77.0	42.39	77·9	.0503	.7937	19.09.0	R	2 12 „
11	33.112	21.17	76.5	42.52	77.2	.0480	.7952	19.09 8	R	3 12 „

DAILY OBSERVATIONS, FROM 4TH TO 6TH JANUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JAN. 4TH—12	32·769	21.19	75·5	42.45	76·5	8.0483	2.7944	19°09′5	R	4 12 a. m.
13	32.631	21.25	75.0	42.43	76.0	.0493	.7942	19.09.2	B	5 12 ,,
14	32.426	21.25	74.7	42.62	75.6	·0493	.7963	19.10.0	B	6 12 ,,
15	32.083	21·18	74.6	42.81	75.4	.0481	.7984	19.11.0	B	7 12 ,,
16	33.455	21.40	75.0	42.92	75.5	.0518	.7996	19·10.9	B	8 12 ,,
17	34·141	21.86	76.7	42.98	76.0	.0593	.7980	19.09.4	A	9 12 ,,
18	34·141	22.13	78.5	42.50	76.5	.0637	.7950	19.07.7	A	10 12 ,,
19	31.740	22.25	80·0	42.16	78·0	.0657	.7912	19.05.8	A	11 12 ,,
20	32.083	22.28	81.3	41.97	79.0	.0662	.7891	19.05.0	A	Noon.
21	33.317	22.18	82.0	42.09	79.5	.0645	·7904	19·05.6	R	1 12 p. m.
22	32.906	22.05	82.5	41.70	80.1	.0624	.7862	19.04.3	R	2 12 ,,
23	32.357	22.07	83·0	41.43	81.0	.0628	.7832	19.03.2	R	3 12 ,,
JAN. 5TH-Noon.	32.083	21.82	83.5	41.36	81.9	.0586	.7824	19.03.3	R	4 12 ,,
1	32.220	21.71	83.0	41.45	81.6	.0569	.7834	19.04.0	B	5 12 ,,
2	32.631	21.55	81.5	41.66	81.0	.0542	.7859	19.05.4	B	6 12 ,,
3	32.083	21.15	80.6	41.83	80.4	.0476	.7876	19.06.8	B	7 12 ,,
4	33.455	21.06	79.5	42.14	79.8	.0462	.7910	19.08.4	B	8 12 ,,
5	32.769	21.21	79.3	41.98	79.2	·0487	.7892	19.07.2	G	9 12 ,,
6	32.769	21.02	79.0	41.97	79.0	.0455	.7891	19.07.6	G	10 12 ,,
7	32.426	20.93	78.6	42.06	78.5	.0440	.7901	19.08.3	G	11 12 ,,
8	32.700	21.29	78.5	42.15	78.4	.0490	.7911	19.08.0	G	Midnight.
9	33.112	20.89	78.0	42.25	78.4	.0434	.7922	19.09.2	R	1 12 a. m
10	32.974	21.07	78.0	42.20	78.2	.0464	.7917	19.08.7	R	2 12 ,,
11	32.974	21.12	77.6	42.34	78.0	.0471	.7932	19.09.1	R	3 12 ,,
12	32.563	21.31	77.3	41.94	77.9	.0503	.7888	19.07.0	R	4 12 ,,
13	32.974	21.32	76.5	42.47	77.3	.0504	.7946	19.09.3	B	5 12 ,,
14	32.426	21.28	76.0	42.32	76.6	.0498	.7930	19.08.7	B	6 12 ,,
15	32.426	21.41	75.3	42.39	76.2	.0520	.7937	19.08.7	B	7 12 ,,
16	33.455	21.70	76.5	42.74	76.4	.0567	.7976	19.09.5	B	8 12 ,,
17	33.798	21.99	78.0	42.41	77.0	.0614	.7940	19.07.7	G	9 12 ,,
18	32.769	22.18	79.0	42.13	77.5	.0645	.7909	19.05.8	G	10 12 ,,
19	31.054	22.19	80·0	42.14	78.0	.0647	.7910	19.05.9	G	11 12 ,,
20	32.083	22.03	81.0	42.25	79.0	.0621	.7922	19.06.7	G	Noon.
21	32.426	21.96	81.8	42.26	79.6	.0609	.7917	19.06.8	R	1 12 p. m.
22	32.769	21.80	82.2	42.11	80.3	.0583	.7907	19.06.8	R	2 12 ,,
23	32.769	21.75	82.5	41.78	80.9	.0575	.7870	19.05.3	R	3 12 ,,
JAN. 6TH-Noon.	32.426	21.57	82.5	41.53	81.0	.0546	.7843	19.04.6	R	4 12 ,,
1	32.220	21.40	81.5	41.52	80.7	.0518	.7842	19.04.9	B	5 12 ,,
2	32.014	21.23	79.7	41.69	79.6	.0490	.7860	18.06.0	B	6 12 ,,
3	32.288	21.25	79.0	42.07	79.1	.0493	.7902	19.07.6	B	7 12 ,,
4	32.494	21.03	78.5	42.32	78.9	.0457	.7929	19.09.1	B	8 12 ,,
5	32.494	21.09	78.0	42.34	78.1	·0467	.7932	19.09.1	G	9 12 ,,
6	32.906	21.20	77.5	42.40	78.0	.0485	.7939	19.09.1	G	10 12 ,,
7	32.563	21.00	77.2	42.44	78.0	.0452	.7943	19.09.8	G	11 12 ,,
8	32.426	21.03	77.0	42.49	77.5	.0457	.7948	19.09.9	G	Midnight.
9	32.769	21.06	77.0	42.72	77.2	.0462	.7974	19.10.8	R	1 12 a. m.
10	32.426	21.07	76.8	42.66	77.1	.0464	.7967	19.10.6	R	2 12 ,,
11	32.083	21.15	76.2	42.51	77.0	.0476	.7951	19.09.8	R	3 12 ,,
12	31.877	21.14	75.8	42.59	76.4	.0475	.7959	19.10.1	R	4 12 ,,
13	31.877	21.21	75.3	42.64	76.2	.0487	.7965	19.10.1	B	5 12 ,,
14	31.534	21.25	74.7	42.47	75.5	.0493	.7946	19.09 4	B	6 12 ,,
15	31.602	21.33	74.4	42.30	75.0	.0506	.7983	19·10.6	B	7 12 ,,
16	32.426	21.60	75.0	42.85	75.1	.0550	.7988	19.10.2	B	8 12 ,,
17	33.249	21.78	76.3	42.87	75.8	.0580	.7990	19·10·0	G	9 12 ,,
18	32.974	22.00	77.5	42.68	76.0	.0616	.7969	19 08.5	G	10 12 ,,
19	32.288	22.14	79.1	42.11	77.0	.0639	.7967	19.06.0	G	11 12 ,,
20	31.740	22.17	80.0	41.94	78.0	.0644	.7888	19.05.2	G	Noon.
21	32.769	22.07	81.0	41.97	79.0	.0628	.7901	19.05.8	R	1 12 p. m
22	32.700	21.96	81.3	41.90	79.3	.0609	·7884	19.05.4	R	2 12 ,,
23	32.826	21.77	81.2	41.90	79.9	.0579	.7884	19.05.8	R	3 12 ,,

DAILY OBSERVATIONS, FROM 7TH TO 9TH JANUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JAN. 7TH-Noon.	33'112	21.59	80°6	42.00	80°6	8.0549	2.7895	19°06.6	R	4 12 p. m.
1	32·631	21.44	79.6	41.97	79.1	.0525	.7891	19.06.7	B	5 12 ,,
2	32.357	21.26	78.5	42.21	78.5	.0485	.7918	19.08.3	B	6 12 ,,
3	32.563	21.06	77.6	42.39	78.0	.0462	.7937	19.09.5	B	7 12 ,,
4	32 631	20.98	77.5	42.38	77.6	.0448	.7936	19.09.5	B	8 12 ,,
5	32.083	21.11	77.0	42.41	77.0	.0470	.7940	19.09.5	G	9 12 ,,
6	32.083	21.27	76.5	42.60	76.5	.0497	.7961	19.09.8	G	10 12 ,,
7	32.426	21.23	76.0	42.59	76.2	.0490	.7959	19.09.9	G	11 12 ,,
8	32.083	21.24	75.5	42·28	76.0	.0492	.7925	19·08.6	G	Midnight.
9	32.769	20.85	75.3	42.88	76.0	.0427	.7991	19.11.9	R	1 12 a. m.
10	33.317	21.20	75.0	42.97	75.5	.0485	.8001	19.11.5	R	2 12 ,,
11	32.769	21.35	74.7	42.87	75.1	.0509	.7990	19.10.9	R	3 12 ,,
12	32.769	21.29	74.4	42.84	74.8	.0500	.7987	19.10.9	R	4 12 ,,
13	32.426	21.38	74.3	43.04	74.5	.0514	.8009	19.11.6	B	5 12 ,,
14	32.631	21.19	74.1	43.09	74.5	.0483	.8014	19.12.2	B	6 12 ,,
15	32.288	21.29	73.6	43.12	74.1	.0500	.8018	19.12.1	B	7 12 ,,
16	32.563	21.49	74.1	43.23	74.3	.0533	.8035	19.12.4	B	8 12 ,,
17	33.592	21.89	76.0	43.37	75.8	.0598	.8045	19.11.9	G	9 12 ,,
18	31·741	22.24	78.0	42.88	76.0	.0656	.7991	19.09.9	G	10 12 ,,
19	30.565	22.44	80.0	42·42	77.2	.0689	.7940	19.06.6	G	11 12 ,,
20	29.819	22.79	81.7	41.96	78.5	.0746	.7890	19.03.8	G	Noon.
21	30.436	22.58	82.4	41.88	79.3	.0711	.7881	19.04.0	R	1 12 p. m.
22	31.746	22.13	82.9	42.00	80.0	.0637	.7895	19.05.5	R	2 12 ,,
23	32.683	21.84	83.0	41.93	81.0	.0590	.7887	19.05.8	R	3 12 ,,
JAN. 8TH-Noon.	32.494	21.58	83.0	41.86	81.3	.0547	.7879	19.05.9	R	4 12 ,,
1	33.249	21.22	82.3	41.79	81.3	.0488	.7871	19.06.4	B	5 12 ,,
2	32.837	20.87	80.5	41.91	80.3	.0431	.7885	19.07.8	B	6 12 ,,
3	32.631	20.76	79.6	42.19	79.6	.0413	.7915	19.09.3	B	7 12 ,,
4	32.494	20.74	79.5	42.33	79.4	.0410	.7931	19.09.9	B	8 12 ,,
5	32.494	20.82	79.3	42.47	79.0	.0422	.6946	19.10.3	G	9 12 ,,
6	32.426	20.87	79.0	42.86	78.5	.0431	.7989	19.11.8	G	10 12 ,,
7	32.769	20.98	78.5	42.95	78·4	.0448	.7999	19.11.9	G	11 12 ,,
8	32.769	21.09	78.0	42.75	78.3	.0467	.7977	19.10.9	G	Midnight.
9	32.769	20.92	77.8	42.72	78.1	.0438	.7974	19.11.1	R	1 12 a. m.
10	33.112	20.61	77.3	42.70	78.0	·0388	.7972	19.11.6	R	2 12 ,,
11	32.494	21·36	77.0	42.55	77.7	.0511	.7955	19.09·6	R	3 12 ,,
12	32.769	20.91	77.0	42.62	77.3	.0437	.7963	19.10.7	R	4 12 ,,
13	32·769	20.95	77.0	42.82	77.2	.0443	.7985	19.11.6	B	5 12 ,,
14	33.180	21.03	77.0	42.96	77.1	.0457	.8000	19.11.9	B	6 12 ,,
15	32.837	21·04	76.6	42.95	76.7	.0459	.7999	19·11.8	B	7 12 ,,
16	34.209	21.22	77·5	42.96	77.0	.0488	·8000	19.11.5	B	8 12 ,,
17	34·346	21.34	78.5	42.36	78.5	.0508	·7931	19·08.6	G	9 12 ,,
18	32.700	21.40	79.5	41.97	79.0	.0518	·7891	19.06.8	G	10 12 ,,
19	31.191	21.63	81.0	41.78	79.3	.0555	.7870	19.05.5	G	11 12 ,,
20	31.122	21·89	82.2	41.92	80.5	.0598	.7886	19·05.6	G	Noon.
21	32.083	21.98	83.5	41.90	81.5	.0612	.7884	19.05.4	R	1 12 p. m.
22	32·014	21.88	84.8	41.68	82·5	.0596	.7859	19.04.6	R	2 12 ,,
23	31.877	21.66	84.2	41.68	82.7	.0560	.7859	19.05.1	R	3 12 ,,
JAN. 9TH-Noon.	32.220	21.59	83.5	41.75	82.9	.0549	.7867	19.05.5	R	4 12 ,,
1	32.357	21.49	82.8	41.78	82.5	.0533	.7870	19.05.9	B	5 12 ,,
2	32.357	20.99	81.5	41.89	81.4	.0450	.7882	19.07.3	B	6 12 ,,
3	32.563	21.12	80.1	42.12	80.5	.0471	.7908	19.08.2	B	7 12 ,,
4	32.288	21.16	79·5	42.35	80.0	.0478	.7933	19.09.1	B	8 12 ,,
5	32·083	21.29	79.0	42.39	79.5	.0500	.7937	19.09.0	G	9 12 ,,
6	32.083	21.23	78.5	42.47	79.0	.0490	.7946	19.09.4	G	10 12 ,,
7	32.563	21.04	78.0	42.54	78.7	.0459	.7954	19.10.1	G	11 12 ,,
8	32.563	21.05	77·8	42.65	78.2	.0460	.7966	19.10.5	G	Midnight.
9	32.426	21·20	77.5	42.79	78.0	.0485	.7981	19.10.7	R	1 12 a. m.
10	33.112	20.91	77.0	42.78	77.6	.0437	.7980	19.11.4	R	2 12 ,,
11	33.112	20.87	76.5	42.82	77.2	.0431	.7985	19.11.7	R	3 12 ,,

DAILY OBSERVATIONS, FROM 9TH TO 12TH JANUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JAN. 9TH—12	32°769	21.02	76°8	42.71	77°0	8.0455	2.7973	19°10'8	R	4 12 a. m.
13	32.083	21.07	76.5	42.86	77.0	.0464	.7989	19.11.4	B	5 12 „
14	31.808	21.05	76.4	42.85	76.8	.0460	.7988	19.11.4	B	6 12 „
15	32.563	21.14	76.6	43.05	76.6	.0475	.8010	19.12.1	B	7 12 „
16	32.563	21.28	77.5	42.71	77.0	.0498	.7973	19.10.3	B	8 12 „
17	32.426	21.57	78.9	42.44	77.9	.0546	.7943	19.08.5	G	9 12 „
18	31.740	21.88	79.9	41.95	78.3	.0596	.7889	19.05.7	G	10 12 „
19	30.711	21.80	80.8	41.77	79.6	.0583	.7869	19.05.2	G	11 12 „
20	31.054	21.85	82.0	41.75	80.1	.0591	.7867	19.05.0	G	Noon.
21	31.122	21.99	83.0	41.73	81.0	.0614	.7865	19.04.5	R	1 12 p. m.
22	32.083	21.79	83.0	41.78	81.3	.0582	.7870	19.05.3	R	2 12 „
23	32.700	21.54	83.3	41.66	82.0	.0541	.7857	19.05.4	R	3 12 „
JAN. 11TH—Noon.	33.043	21.76	84.0	41.59	82.9	.0577	.7849	19.04.5	R	4 12 „
1	33.249	21.67	83.2	41.48	82.6	.0562	.7859	19.05.1	B	5 12 „
2	33.180	21.11	81.6	41.80	81.6	.0470	.7873	19.06.8	B	6 12 „
3	34.003	20.89	80.6	42.02	81.2	.0434	.7897	19.08.3	B	7 12 „
4	34.827	20.57	80.1	42.37	80.6	.0382	.7935	19.10.5	R	8 12 „
5	34.141	21.23	79.5	42.30	80.1	.0490	.7928	19.08.7	G	9 12 „
6	33.455	20.97	79.0	42.29	79.5	.0447	.7926	19.09.1	G	10 12 „
7	34.141	21.02	78.7	42.43	79.2	.0455	.7942	19.09.6	G	11 12 „
8	33.180	21.14	78.0	42.47	79.0	.0475	.7946	19.09.6	G	Midnight.
9	32.631	21.19	78.0	42.46	78.5	.0483	.7945	19.09.6	R	1 12 a. m.
10	33.112	21.19	78.0	42.75	78.4	.0483	.7977	19.10.8	R	2 12 „
11	31.740	21.44	78.0	43.34	78.0	.0525	.8042	19.12.6	R	3 12 „
12	31.740	21.22	77.9	44.14	78.0	.0488	.8130	19.16.6	R	4 12 „
13	31.740	21.40	77.5	43.69	78.0	.0518	.8080	19.14.2	B	5 12 „
14	31.671	21.30	77.2	43.68	77.5	.0501	.8079	19.14.4	B	6 12 „
15	30.848	21.16	77.0	43.77	77.2	.0479	.8089	19.15.1	B	7 12 „
16	32.426	21.30	77.5	43.92	77.2	.0501	.8106	19.15.6	B	8 12 „
17	33.455	21.49	78.0	43.74	78.0	.0533	.8086	19.14.3	G	9 12 „
18	32.426	21.87	79.7	43.26	78.5	.0595	.8033	19.11.4	G	10 12 „
19	32.426	22.04	81.0	42.77	79.0	.0623	.7979	19.08.9	G	11 12 „
20	31.671	22.26	82.3	42.50	80.0	.0659	.7950	19.07.4	G	Noon.
21	32.083	22.00	83.6	42.73	81.7	.0616	.7975	19.08.8	R	1 12 p. m.
22	32.151	21.85	84.6	42.66	82.8	.0591	.7967	19.08.9	R	2 12 „
23	32.906	21.70	85.0	42.61	83.7	.0567	.7962	19.08.9	R	3 12 „
JAN. 12TH—Noon.	33.180	21.72	85.5	42.58	84.0	.0570	.7958	19.08.9	R	4 12 „
1	33.317	21.28	84.7	42.64	83.0	.0498	.7965	19.10.0	B	5 12 „
2	33.112	21.08	83.5	42.73	82.5	.0465	.7975	19.10.8	B	6 12 „
3	32.974	21.15	82.2	42.95	82.2	.0476	.7999	19.11.6	B	7 12 „
4	33.935	21.13	81.3	43.14	81.4	.0473	.8020	19.12.6	B	8 12 „
5	33.386	21.43	81.0	43.23	81.0	.0523	.8030	19.12.3	G	9 12 „
6	33.729	21.56	80.0	43.32	80.5	.0544	.8040	19.12.5	G	10 12 „
7	33.660	20.94	79.6	43.38	80.0	.0442	.8046	19.14.0	G	11 12 „
8	33.249	20.88	78.8	43.49	79.5	.0432	.8058	19.14.6	G	Midnight.
9	32.426	21.18	78.8	42.22	79.0	.0481	.7919	19.08.5	R	1 12 a. m.
10	32.426	21.29	78.3	42.07	79.0	.0500	.7902	19.07.5	R	2 12 „
11	32.288	21.16	78.0	42.21	78.5	.0478	.7918	19.08.5	R	3 12 „
12	31.740	21.27	77.6	42.35	78.2	.0497	.7933	19.08.8	R	4 12 „
13	31.465	21.30	77.5	42.44	78.0	.0501	.7943	19.09.2	B	5 12 „
14	32.083	21.40	77.2	42.38	77.6	.0518	.7936	19.08.6	B	6 12 „
15	32.288	21.38	77.4	42.72	77.3	.0514	.7974	19.10.2	B	7 12 „
16	33.798	21.45	77.5	42.87	77.4	.0526	.7990	19.10.6	B	8 12 „
17	33.798	21.45	78.7	42.44	78.0	.0526	.7943	19.08.9	G	9 12 „
18	32.426	21.70	80.0	42.16	78.7	.0567	.7912	19.07.0	G	10 12 „
19	31.740	21.99	81.5	41.99	79.5	.0614	.7893	19.05.8	G	11 12 „
20	32.769	21.62	81.7	41.70	80.0	.0563	.7862	19.05.2	G	Noon.
21	33.043	21.74	81.9	41.40	80.0	.0574	.7829	19.03.8	R	1 12 p. m.
22	32.906	21.76	82.3	41.49	80.9	.0577	.7838	19.04.1	R	2 12 „
23	33.249	21.66	82.4	41.73	81.0	.0560	.7865	19.05.3	R	3 12 „

DAILY OBSERVATIONS, FROM 13TH TO 15TH JANUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JAN. 13TH-Noon.	35'170	21.06	82°3	41.85	81°5	8.0462	2.7878	19°07'1	R	4 12 p. m.
1	33.455	20.97	81.5	41.74	81.3	.0447	.7866	19.06.7	B	5 12 „
2	32.426	20.94	80.2	41.77	80.5	.0442	.7869	19.07.0	B	6 12 „
3	32.769	20.91	79.6	41.85	80.0	.0437	.7878	19.07.4	B	7 12 „
4	32.426	21.21	79.5	41.99	79.5	.0487	.7893	19.07.3	B	8 12 „
5	32.769	21.04	79.0	42.07	79.1	.0459	.7902	19.08.0	G	9 12 „
6	33.112	21.08	78.8	42.17	79.0	.0465	.7913	19.08.4	G	10 12 „
7	32.769	21.19	78.0	42.00	78.0	.0483	.7903	19.07.9	G	11 12 „
8	33.112	21.01	77.3	42.25	78.4	.0454	.7922	19.08.9	G	Midnight.
9	32.769	21.30	77.5	42.34	78.0	.0501	.7932	19.08.7	R	1 12 a. m.
10	32.426	21.35	77.5	42.24	78.0	.0509	.7921	19.08.2	R	2 12 „
11	32.288	21.56	77.0	42.32	77.3	.0544	.7930	19.08.2	R	3 12 „
12	32.426	21.37	76.2	42.31	77.0	.0513	.7929	19.08.5	R	4 12 „
13	32.426	21.30	75.5	42.42	76.6	.0501	.7941	19.09.1	B	5 12 „
14	31.740	21.30	75.1	42.38	76.1	.0501	.7936	19.08.9	B	6 12 „
15	31.602	21.35	75.0	42.37	75.6	.0509	.7935	19.08.8	B	7 12 „
16	32.426	21.44	75.5	42.67	75.6	.0525	.7968	19.09.7	B	8 12 „
17	32.769	21.86	77.0	42.38	76.0	.0593	.7936	19.07.7	G	9 12 „
18	32.769	22.04	78.0	42.21	77.0	.0623	.7918	19.06.6	G	10 12 „
19	30.505	22.35	80.0	41.94	78.0	.0673	.7888	19.04.8	G	11 12 „
20	31.259	22.40	80.3	41.96	78.5	.0682	.7890	19.04.8	G	Noon.
21	34.072	22.08	80.7	42.17	79.0	.0629	.7913	19.06.3	R	1 12 p. m.
22	34.141	21.63	81.3	41.07	79.9	.0555	.7862	19.05.1	R	2 12 „
23	32.426	21.66	81.5	41.55	80.0	.0560	.7845	19.04.6	R	3 12 „
JAN. 14TH-Noon.	33.249	21.55	81.5	41.72	80.5	.0542	.7864	19.05.5	R	4 12 „
1	32.906	21.36	80.6	41.67	80.5	.0511	.7858	19.05.8	B	5 12 „
2	32.769	21 31	79.5	41.89	79.5	.0503	.7882	19.06.7	B	6 12 „
3	32.974	21.16	79.2	41.97	79.1	.0478	.7891	19.07.4	B	7 12 „
4	33.249	21.09	78.5	42.11	78.7	.0467	.7907	19.08.2	B	8 12 „
5	34.141	21.09	78.0	42.14	78.1	.0467	.7910	19.08.3	G	9 12 „
6	33.249	21.20	77.5	42.24	78.0	.0485	.7921	19.08.4	G	10 12 „
7	33.249	21.11	77.0	42.23	77.7	.0470	.7920	19.08.7	G	11 12 „
8	33.112	21.17	76.8	42.22	77.2	.0480	.7919	19.08.5	G	Midnight.
9	33.563	21.47	76.5	42.41	77.0	.0530	.7940	19.08.7	R	1 12 a. m.
10	32.769	21.28	76.6	42.40	76.8	.0498	.7939	19.09.0	R	2 12 „
11	32.769	21.04	75.5	42.49	76.3	.0459	.7948	19.09.9	R	3 12 „
12	32.426	21.10	75.3	42.48	76.0	.0468	.7947	19.09.8	R	4 12 „
13	31.740	21.00	74.5	42.76	75.3	.0452	.7978	19.11.1	B	5 12 „
14	31.877	21.17	74.4	42.70	75.1	.0480	.7972	19.10.5	B	6 12 „
15	32.426	21.05	73.5	42.94	74.6	.0460	.7998	19.11.8	B	7 12 „
16	33.866	21.11	73.8	43.29	74.5	.0470	.8036	19.13.2	B	8 12 „
17	34.827	21.15	75.0	43.35	75.1	.0476	.8043	19.13.4	G	9 12 „
18	34.072	21.41	76.7	43.08	76.0	.0520	.8013	19.11.6	G	10 12 „
19	33.523	21.68	78.5	42.89	76.2	.0563	.7992	19.10.2	G	11 12 „
20	32.083	21.68	79.3	42.62	77.2	.0563	.7963	19.09.1	G	Noon.
21	32.906	21.58	79.9	41.79	77.9	.0547	.7871	19.05.6	R	1 12 p. m.
22	33.112	21.45	80.3	41.66	78.5	.0526	.7857	19.05.5	R	2 12 „
23	32.426	21.56	80.6	41.57	79.0	.0544	.7847	19.05.0	R	3 12 „
JAN. 15TH-Noon.	32.288	21.18	80.6	41.64	79.7	.0481	.7855	19.06.1	R	4 12 „
1	32.563	21.35	80.0	41.74	79.5	.0509	.7866	19.06.0	B	5 12 „
2	32.769	21.27	79.0	41.97	78.9	.0497	.7891	19.07.1	B	6 12 „
3	32.769	21.26	78.5	42.16	78.5	.0496	.7912	19.07.9	B	7 12 „
4	32.906	21.28	78.5	42.30	78.3	.0498	.7928	19.08.6	B	8 12 „
5	32.906	21.43	78.0	42.34	78.0	.0523	.7932	19.08.4	G	9 12 „
6	33.112	21.40	77.8	42.34	77.9	.0518	.7932	19.08.4	G	10 12 „
7	33.112	21.20	77.0	42.32	77.3	.0485	.7930	19.08.8	G	11 12 „
8	32.769	21.51	76.7	42.41	77.0	.0596	.7940	19.08.6	G	Midnight.
9	33.112	21.28	76.0	42.60	76.5	.0498	.7961	19.09.8	R	1 12 a. m.
10	33.112	21.33	75.9	42.78	76.0	.0506	.7980	19.10.5	R	2 12 „
11	33.112	21.29	75.2	42.88	75.9	.0500	.7991	19.11.0	R	3 12 „

DAILY OBSERVATIONS, FROM 15TH TO 18TH JANUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Jan. 15th—12	32·700	21.25	75·0	43.05	75·1	8.0493	2.8010	19°11'9	R	4 12 a. m.
13	32.974	21.16	74.5	43.03	75·0	.0478	.8008	19.12.0	B	5 12 „
14	32.563	21.36	74·5	43.06	78.8	.0511	.8011	19.11.7	B	6 12 „
15	32.083	21.46	74.6	43.09	74.6	.0528	.8014	19.11·5	B	7 12 „
16	33.112	21.56	75.4	43.07	75·0	.0544	.8012	19.11·3	B	8 12 „
17	34.484	21.97	76.8	43·08	76.0	.0611	.8013	19·10.5	G	9 12 „
18	34.141	22.19	78.0	42.90	76.5	.0647	.7994	19.09.1	G	10 12 „
19	32.426	22·39	79.3	42.42	77.3	.0680	.7941	19·06.8	G	11 12 „
20	31.945	22·26	79.5	42.24	78.0	.0659	.7921	19.06.2	G	Noon.
21	32.769	22.07	79·7	42.44	78.0	.0628	.7943	19.09.5	R	1 12 p. m.
22	33.317	21.96	80.0	42.11	78.8	.0599	.7961	19.06.5	R	2 12 „
23	33·317	21.84	80.5	41.88	79.3	.0590	.7881	19.05.5	R	3 12 „
Jan. 16th-Noon.	32.769	21.77	80.5	41.79	79.8	.0579	.7871	19.05.3	R	4 12 „
1	32.083	21.55	79.9	41.61	79.6	·0542	.7852	19.05.1	B	5 12 „
2	32.494	21.36	78.8	41·92	78.9	·0511	.7886	19.06.8	B	6 12 „
3	33.112	21.31	78.1	42.20	78.3	.0503	.7917	19.08.2	B	7 12 „
4	32.769	21.10	77·5	42.39	78.0	.0468	.7935	19.09.3	B	8 12 „
5	33.249	21.11	77.0	42.43	77.5	.0470	.7942	19.09.5	G	9 12 „
6	33.592	21.04	76.6	42.47	77.0	.0459	.7946	19.09.8	G	10 12 „
7	32.769	21.35	76.4	42·50	76·7	.0509	·7950	19.09·4	G	11 12 „
8	33.798	21.11	75.9	42.66	76.5	.0470	.7967	19·10.5	G	Midnight.
9	33.455	21·11	75.9	42.68	76.0	.0470	.7969	19.10.5	R	1 12 a. m.
10	33.112	20·96	75.2	42.77	75.5	·0445	.7979	19.11.1	R	2 12 „
11	33.112	20.90	75.0	42·76	75.2	.0435	.7978	19.11·3	R	3 12 „
12	32·769	21·32	74.0	42.95	74.9	.0503	.7999	19.11.7	R	4 12 „
13	32.426	21.24	73.0	42.93	74.3	.0492	.7997	19.11.4	B	5 12 „
14	32.288	21.15	72.8	43.41	73.6	.0476	.8006	19.12.0	B	6 12 „
15	32·837	21.10	72.5	43·30	73.2	.0868	.8038	19.13.3	B	7 12 „
16	32.426	21.41	74.3	43·66	73.7	.0520	.8077	19·14·1	B	8 12 „
17	33.592	21.20	75.0	43.67	74.1	.0485	.8078	19.14·5	G	9 12 „
18	33.249	21·46	77.0	43.07	75.7	.0528	.8012	19.11.4	G	10 12 „
19	33.180	21.50	78.0	42.88	76.0	.0534	·7991	19.10·6	G	11 12 „
20	33.798	21.77	79.8	42.49	76·9	.0579	.7948	19.08.4	G	Noon.
21	33.043	21.80	79.9	42.24	78·0	.0583	.7921	19.07.3	R	1 12 p. m.
22	33.455	21.68	80.3	42.22	78·4	.0557	.7919	19.08.4	R	2 12 „
23	33.386	21.51	80.5	42.12	79.0	.0536	.7908	19.07.3	R	3 12 „
Jan. 18th-Noon.	32.563	21.87	80.3	41.79	79.6	·0559	.7871	19.05.0	B	4 12 „
1	32.974	21.66	79.6	41.93	79.3	.0560	.7887	19·06.2	B	5 12 „
2	32.494	21.56	78.5	42·23	78.4	.0544	.7920	19.07·8	B	6 12 „
3	32.494	21.29	78.0	42.29	78.0	.0500	·7926	19.08.5	B	7 12 „
4	32.700	21·28	77.6	42.83	77.6	.0498	.7942	19.09.1	B	8 12 „
5	32.083	21.51	77·0	42.41	77.0	.0536	.7940	19.08.6	G	9 12 „
6	32.083	21.47	76.8	42.30	76.5	·0530	.7928	19.08.2	G	10 12 „
7	32·083	21.34	76.6	42.50	76.8	.0508	.7950	19.09.4	G	11 12 „
8	32.083	21.37	76.5	42.40	76.7	.0513	.7939	19.08.9	G	Midnight.
9	32.083	21.52	76.2	42·69	76.4	.0537	.7970	19.09.7	R	1 12 a. m.
10	31.740	21.48	76.0	42.75	76.2	.0531	.7977	19.10.1	R	2 12 „
11	31.740	21.43	76.0	42·88	76.0	.0523	·7991	19.10.7	R	3 12 „
12	32.014	21.44	75.2	42.97	75.5	.0525	.8001	19.11.0	R	4 12 „
13	31.328	21.49	75.2	43.02	75.5	.0533	.8007	19.11.3	B	5 12 „
14	31.740	21.56	75.2	43.21	75.4	.0544	.8020	19.12.0	B	6 12 „
15	31.465	21.45	75.0	43.10	75.1	.0526	.8016	19.11·6	B	7 12 „
16	33.455	21.74	75.5	43.26	75.2	.0574	.8033	19.11.8	B	8 12 „
17	35.513	21.90	76.0	43.31	75.7	.0599	.8039	19.11.6	G	9 12 „
18	33.935	21.70	76.4	42·88	76.0	.0567	.7991	19.10.1	G	10 12 „
19	31·877	22.15	78.6	42.63	77.0	.0640	.7964	18.08.1	G	11 12 „
20	32.083	22.16	80.0	42.24	78.0	.0642	.7932	18.06.9	G	Noon.
21	32.083	21.78	80.6	41·96	78.7	.0580	.7890	18.06.1	R	1 12 p. m.
22	30.191	21.47	80.0	41.67	78.9	.0530	.7858	18.05.5	R	2 12 „
23	31.259	21·56	80.2	41.78	79.3	.0544	.7870	18.05.8	R	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 21ST JANUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JAN. 19TH-Noon.	32°083	21.45	80°3	41.84	79°6	8.0542	2.7873	19°05'9	R	4 12 p. m.
1	32.083	21.33	79.5	41.89	79.5	.0523	.7882	19.06.4	B	5 12 „
2	32.700	21.28	78.5	42.06	78.6	.0514	.7901	19.07.4	B	6 12 „
3	33.108	21.19	77.6	42.39	77.9	.0473	.7937	19.09.4	B	7 12 „
4	33.317	21.23	77.4	42.48	77.5	.0490	.7942	19.09.2	B	8 12 „
5	33.935	21.23	77.0	42.57	77.0	.0490	.7957	19.09.9	G	9 12 „
6	33.592	21.12	76.5	42.61	77.0	.0471	.7962	19.10.2	G	10 12 „
7	33.180	22.27	76.2	42.66	76.7	.0661	.7967	19.08.0	G	11 12 „
8	33.180	22.23	76.0	42.80	76.5	.0654	.7983	19.08.7	G	Midnight.
9	33.180	21.30	75.8	42.88	76.0	.0501	.7991	19.11.0	N	1 12 a. m.
10	32.494	21.43	75.8	42.88	76.0	.0523	.7991	19.10.7	N	2 12 „
11	32.906	21.41	75.6	42.77	75.7	.0520	.7979	19.10.2	B	3 12 „
12	32.083	21.68	75.4	42.92	75.5	.0514	.7996	19.11.1	B	4 12 „
13	32.357	21.28	74.6	43.16	75.3	.0498	.8022	19.12.2	B	5 12 „
14	31.945	21.46	74.2	43.29	74.6	.0528	.8036	19.12.5	B	6 12 „
15	32.083	21.86	74.5	43.39	74.6	.0593	.8047	19.12.1	B	7 12 „
16	32.337	21.83	75.1	43.54	74.7	.0588	.8064	19.12.6	B	8 12 „
17	34.827	21.98	76.0	43.60	75.4	.0612	.8071	19.12.7	G	9 12 „
18	34.269	22.00	77.5	43.30	76.0	.0616	.8038	19.11.3	G	10 12 „
19	32.426	21.87	79.0	42.91	77.0	.0595	.7790	19.09.9	G	11 12 „
20	32.906	21.80	79.4	43.13	77.5	.0583	.8019	19.11.1	G	Noon.
21	34.141	21.53	79.5	43.04	78.0	.0539	.8009	19.11.2	R	1 12 p. m.
22	34.141	21.48	80.0	42.66	78.5	.0531	.7967	19.09.7	R	2 12 „
23	33.455	21.40	80.0	42.22	79.0	.0518	.7919	19.07.9	R	3 12 „
JAN. 20TH-Noon.	32.769	21.52	80.0	42.08	79.3	.0537	.7903	19.07.1	R	4 12 „
1	31.945	21.53	79.4	42.13	79.2	.0539	.7909	19.07.3	B	5 12 „
2	32.151	21.49	78.4	42.41	78.5	.0533	.7940	19.08.7	B	6 12 „
3	32.357	21.35	77.6	42.69	78.0	.0509	.7970	19.10.1	B	7 12 „
4	32.877	21.35	77.5	42.81	77.6	.0509	.7984	19.10.6	B	8 12 „
5	32.769	21.31	77.2	42.81	77.1	.0503	.7984	19.10.7	G	9 12 „
6	32.700	21.26	76.7	42.85	77.0	.0495	.7988	19.10.9	G	10 12 „
7	32.494	21.34	76.6	42.91	77.0	.0508	.7995	19.11.1	G	11 12 „
8	32.494	21.34	76.6	42.91	77.0	.0508	.7995	19.11.1	G	Midnight.
9	32.288	21.27	76.5	42.75	76.8	.0497	.7977	19.10.5	G	1 12 a. m.
10	32.083	21.35	76.4	42.90	76.6	.0509	.7994	19.11.0	G	2 12 „
11	31.877	21.40	76.4	42.98	76.5	.0518	.8002	19.11.1	G	3 12 „
12	31.877	21.41	76.3	42.97	76.2	.0520	.8001	19.11.1	G	4 12 „
13	31.397	21.48	76.2	42.94	76.2	.0531	.7998	19.10.9	B	5 12 „
14	31.259	21.51	75.6	42.87	75.8	.0536	.7990	19.10.5	B	6 12 „
15	31.054	21.74	75.5	42.97	75.8	.0574	.8001	19.10.5	B	7 12 „
16	32.357	22.15	76.4	43.22	75.6	.0640	.8029	19.10.7	B	8 12 „
17	34.141	22.35	77.5	43.19	76.3	.0673	.8025	19.10.2	G	9 12 „
18	33.112	22.47	78.6	43.21	77.0	.0694	.8028	19.10.0	G	10 12 „
19	32.083	22.46	80.0	42.94	78.0	.0692	.7998	19.08.8	G	11 12 „
20	32.083	22.43	81.0	42.76	78.5	.0687	.7978	19.08.0	G	Noon.
21	32.083	22.33	81.8	42.27	79.0	.0670	.7924	19.06.2	R.	1 12 p. m.
22	32.769	22.13	82.0	42.30	80.0	.0637	.7928	19.06.8	R	2 12 „
23	32.151	21.98	82.4	42.15	80.9	.0612	.7911	19.06.5	R	3 12 „
JAN. 21ST-Noon.	32.083	21.85	82.3	41.84	81.3	.8591	.7877	19.05.4	R	4 12 „
1	31.397	21.16	81.6	41.82	81.4	.0577	.7875	19.05.5	B	5 12 „
2	31.397	21.65	80.6	42.16	80.3	.0558	.7712	19.07.1	B	6 12 „
3	31.808	21.50	80.1	42.44	79.5	.0534	.7943	19.08.8	B	7 12 „
4	32.083	21.36	79.0	42.52	79.0	.0511	.7952	19.09.4	B	8 12 „
5	32.088	21.29	79.0	42.66	78.7	.0500	.7967	19.10.1	G	9 12 „
6	31.887	21.45	78.9	42.73	78.2	.0526	.7975	19.10.0	G	10 12 „
7	31.897	21.65	78.9	42.66	78.5	.0558	.7967	19.09.3	G	11 12 „
8	31.808	21.63	78.8	42.66	78.5	.0555	.7967	19.09.3	G	Midnight.
9	31.602	21.63	78.8	42.65	78.3	.0555	.7966	19.09.2	R	1 12 a. m.
10	31.397	21.62	78.7	42.74	78.0	.0553	.7916	19.09.7	R	2 12 „
11	31.534	21.58	78.5	42.71	77.6	.0547	.7973	19.09.6	B	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 23RD JANUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JAN. 21ST—12	31·259	21.29	77·3	42.91	77·1	8.0500	2.7995	19°11'2	B	4 12 a. m
13	30.711	21.58	76·7	42.91	77.0	.0547	.7995	19.10.5	G	5 12 „
14	30.368	21.78	76·3	42.97	77·0	.0580	.8001	19.10.4	G	6 12 „
15	30.025	22.03	76.0	42.50	76·8	.0621	.7950	19.07.9	R	7 12 „
16	30.848	22.10	75.0	42.93	76.0	.0632	.7997	19.09.6	R	8 12 „
17	31.808	22.21	74.9	43.02	75.5	.0651	.8007	19.09.7	B	9 12 „
18	31.602	22.03	74.6	42.68	75.3	.0621	.7969	19.08.5	B	10 12 „
19	30·711	21.93	74.6	42.74	75.2	.0604	.7976	19.09.1	G	11 12 „
20	31.054	21.81	74.8	43.25	75·0	.0585	.8032	19.11.4	G	Noon.
21	32.426	21.66	75.6	43.55	75.0	.0560	.8065	19.13.1	R	1 12 a. m.
22	32.426	21.41	74.6	43.41	74.5	.0520	.8050	19.13.1	R	2 12 „
23	32.426	21.23	73.8	43·38	74.3	.0490	.8046	19.13.3	B	3 12 „
JAN. 22ND-Noon.	32.151	21.27	73.5	43.33	73.6	.0497	.8041	19.13.0	B	4 12 „
1	31.191	21.29	73.0	43.39	73.5	.0500	.8047	19.13.3	G	5 12 „
2	31.397	21.25	72.5	43.54	73.4	.0493	.8064	19.13.9	G	6 12 „
3	32.083	21.14	71.9	43.70	72.7	.0475	.8082	19.14.8	R	7 12 „
4	31.054	21.34	71.9	43.98	72.5	.0508	.8112	19.15.6	R	8 12 „
5	31.534	21.32	71.8	43.95	72.3	.0504	.8109	19.15.6	B	9 12 „
6	31.397	21.34	71.8	44.02	72.3	.0508	.8117	19.15.9	B	10 12 „
7	31.397	21.27	71.5	44.10	72.0	.0497	.8126	19.16.3	G	11 12 „
8	31.740	21.29	71.3	44.16	71.9	.0490	.8132	19.16.6	G	Midnight.
9	31.740	21.23	70.5	44.12	71·2	.0500	.8128	19.16.4	R	1 12 a. m.
10	31·054	21.40	70.0	44.03	71.0	.0518	.8118	19.15.7	R	2 12 „
11	31.397	21.41	69.8	43.97	70.6	.0520	.8111	19.15.4	R	3 12 „
12	30.162	21.42	69.0	44.00	70.0	.0521	.8115	19.15.6	R	4 12 „
13	29.682	21.51	68.6	44.09	69.5	.0536	.8124	19.15.7	B	5 12 „
14	31.711	21.47	68.5	44.33	69.4	.0530	.8151	19.16.9	B	6 12 „
15	30.093	21.59	68.0	44.52	69.0	.0549	.8172	19.17.3	B	7 12 „
16	31.740	21.78	68.5	44.62	68.9	.0580	.8183	19.17.5	B	8 12 „
17	32.426	21.92	69.0	44.64	69.5	.0602	.8185	19.17.3	G	9 12 „
18	32.426	22.09	70.8	44.52	70.8	.0631	.8172	19.16.3	G	10 12 „
19	32.220	22.43	72.4	43·83	71.0	.0687	.8096	19.12.6	G	11 12 „
20	32.083	22.43	73.2	43.76	72.0	.0687	.8088	19.12.3	G	Noon.
21	32.769	22.56	74.6	43.78	72.5	.0708	.8090	19.12.2	R	1 12 p. m.
22	32.769	22.73	74.7	43.49	73.0	.0736	.8058	19.10.6	R	2 12 „
23	32.083	22.39	75.2	43.17	74.0	.0680	.8023	19.10.0	R	3 12 „
JAN. 23RD-Noon.	31.945	22.16	75.3	42.78	74.3	.0642	.8002	19.09.6	R	4 12 „
1	31.671	21.77	74.6	42.95	74.2	.0577	.7999	19.10.3	B	5 12 „
2	31.122	21.58	73.5	43.16	73.5	.0547	.8022	19.11.5	B	6 12 „
3	31.602	21.55	73.0	43.45	73.2	.0542	.8054	19.13.0	B	7 12 „
4	31.877	21.48	72.5	43.73	72.8	.0531	.8085	19.14.3	B	8 12 „
5	31.740	21.51	72.0	43.77	72.2	.0546	.8089	19.14.1	G	9 12 „
6	32.083	21.39	71.2	43.76	72.0	.0516	.8088	19.14.5	G	10 12 „
7	32.083	21.38	71.0	43.87	71.7	.0514	.8100	19.15.2	G	11 12 „
8	32.083	21.41	70.6	43.95	71.5	.0520	.8109	19.15.3	G	Midnight.
9	31.945	21.40	70.0	44.15	71.5	.0518	.8131	19.16.2	R	12 a. m.
10	32.083	21.21	69.8	44.42	70.8	.0487	.8161	19.17.7	R	2 12 „
11	32.083	21.41	69.6	44.50	70.0	.0031	.8170	19.17.6	R	3 12 „
12	32.426	21.16	69.2	44.50	70.0	.0478	.8170	19.18.3	R	4 12 „
13	32.426	21.02	69.0	44.58	69.5	.0455	.8178	19.18.8	B	5 12 „
14	32.083	20.82	68.7	44.58	69.3	.0419	.8178	19.19.3	B	6 12 „
15	31.122	20.97	68.7	44.27	69.0	.0447	.8144	19.17.6	B	7 12 „
16	30.025	20.73	69.6	44.19	69.5	.0408	.8135	19.17.9	B	8 12 „
17	31.054	21.38	71.0	44.26	70.2	.0514	.8143	19.16.9	G	9 12 „
18	31.671	22.00	72.6	44.18	71.0	.0616	.8134	19.15.0	G	10 12 „
19	31.259	21.93	74.5	43.77	72.4	.0604	.8089	19.13.5	G	11 12 „
20	31.671	22.18	75.7	43.15	73.3	.0645	.8021	19.10.2	G	Noon.
21	32.083	21.90	76.8	42.99	74.2	.0599	.8003	19.10.3	R	1 12 p. m.
22	31.740	21.89	77.0	42.99	75.0	.0598	.8003	19.10.3	R	2 12 „
23	32.906	21.66	77.4	43.08	76.0	.0560	.8013	19.11.1	R	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 27TH JANUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JAN. 25TH-Noon.	33'455	21.39	79°6	42.52	79°0	8.0516	2.7952	19°09'2	R	4 12 p. m.
1	32.249	21.32	79.1	42.51	78.5	.0504	.7951	19.09.5	B	5 12 „
2	32.494	20·62	78.0	42.60	78.2	.0389	.7961	19.11.2	B	6 12 „
3	33·043	20.09	77.7	42.78	77.6	.0303	·7980	19.13.2	B	7 12 „
4	32·494	20.10	77.5	42.88	77.5	.0304	.7991	19.13.6	B	8 12 „
5	32.494	20.31	77.0	42.92	77.2	·0339	.7996	19.13.3	G	9 12 „
6	32.769	20.31	76.5	43.11	77.0	.0339	.8017	19.14.2	G	10 12 „
7	33.249	20.48	76.3	43.20	76.8	.0367	.8027	19.14.2	G	11 12 „
8	33.180	20.58	76.0	43.30	76.5	.0383	.8038	19.14.5	G	Midnight.
9	33.180	20.68	76.0	43.19	76.2	.0399	.8025	19.13.7	R	1 12 a. m.
10	33.798	20.73	76.0	43.18	76.0	.0408	.8024	19·13.5	R	2 12 „
11	33.798	20.93	76.0	43.43	76·0	.0440	.8052	19.14.2	R	3 12 „
12	32.769	20·53	76.0	43.28	76.0	.0375	.8035	19.14.4	R	4 12 „
13	32.083	20.69	75·8	43.33	76.0	·0401	.8041	19.14·3	B	5 12 „
14	32.083	20.88	75.5	43.12	75.8	.0432	.8018	19.13.0	B	6 12 „
15	32·220	21.11	75·5	43.32	75.6	.0470	.8040	19.13.4	B	7 12 „
16	32·426	21.15	76.1	43.22	75.6	.0476	·8029	19.12.8	B	8 12 „
17	32.426	21.36	77.0	43.18	76·0	.0511	.8024	19.12·2	G	9 12 „
18	31.877	21.64	78.0	42.90	76.5	.0557	.7994	19.10.3	G	10 12 „
19	31.397	21.70	79.5	42.84	78.0	.0567	.7967	19.10.0	G	11 12 „
20	31.259	21.97	81.0	42.47	79.0	.0611	.7946	19.07.9	G	Noon.
21	32.426	21·52	82.2	42.28	80.0	.0537	.7925	19.08.0	R	1 12 p. m.
22	33.798	20.75	82.5	42·22	80.5	.0411	.7919	19.09.4	R	2 12 „
23	34.141	20.20	82.2	42.28	81.0	.0321	.7925	19.10.8	R	3 12 „
JAN. 26TH-Noon.	34.827	20.35	82.0	42.43	81.0	.0345	.7942	19.11.0	R	4 12 „
1	34.758	19·80	81.4	42·18	81·0	·0255	.7914	19.11.1	B	5 12 „
2	35.328	19.65	80.0	42.50	80.0	.0232	.7950	19.13.0	B	6 12 „
3	34·827	19.42	79.3	42.49	79·5	.0193	.7948	19.13.4	B	7 12 „
4	34.552	19.25	78.6	42.62	79.1	.0165	.7963	19.14.2	B	8 12 „
5	34.415	19.08	78.2	42.67	79.0	.0137	.7968	19.14.8	G	9 12 „
6	34.415	19.14	78.0	42.96	78.8	.0147	.8000	19.15.9	G	10 12 „
7	34.484	20.49	78.0	42.86	78.5	.0369	.7989	19.12.6	G	11 12 „
8	33.180	20·19	78.0	42.95	78.4	.0319	.7999	19·13.6	G	Midnight.
9	33.112	20.32	77.6	42.84	78·0	.0340	.7987	19.13.0	R	1 12 a. m.
10	33.112	20·35	77.5	42·59	78.0	.0345	.7959	19.11.7	R	2 12 „
11	31.191	20.36	77.0	42·44	77.9	.0347	.7943	19.11.1	R	3 12 „
12	32.083	20.41	77.0	42.53	77.7	.0356	·7953	19.11.4	R	4 12 „
13	32.083	20·46	77.0	42.61	77.4	.0364	.7963	19.11.7	B	5 12 „
14	31.808	20.56	76.6	42.57	77.3	.0380	.7957	19.11.4	B	6 12 „
15	31.191	20.70	76.6	42.67	77.2	.0403	.7968	19·11.4	B	7 12 „
16	32.083	20.77	76.9	42.77	77.2	.0415	.7924	19.11.5	B	8 12 „
17	32.769	20.94	78.0	42.83	77.8	.0442	.7986	19.11.6	G	9 12 „
18	32.563	21·41	80.0	42.46	78.8	.0520	·7945	19.09.0	G	10 12 „
19	31.877	21.62	81.5	41.49	79·7	.0553	.7838	19.04.4	G	11 12 „
20	31.877	21.80	82.5	41.33	81.0	.0583	.7821	19.03.4	G	Noon.
21	31·877	21.63	83.5	41.25	81.5	.0555	.7812	19.03.2	R	1 12 p. m.
22	32.083	21.48	83.7	41·34	82.0	.0531	.7824	19.04.1	R	2 12 „
23	32·494	21.55	80·7	41.43	82.5	.0582	.7832	19.04.3	R	3 12 „
JAN. 27 TH-Noon.	33.180	21.27	83.5	41.54	82.9	.0457	.7844	19.05.8	R	4 12 „
1	33.523	20.91	82.5	41.73	82.5	.0437	.7865	19.06.9	B	5 12 „
2	33.319	20.46	81.3	41.80	81.6	.0364	.7873	19.08.2	B	6 12 „
3	34.141	20·30	80.3	41.97	80.8	.0337	.7891	19.09.2	B	7 12 „
4	33.455	20.42	79·8	42.05	80.5	.0357	.7900	19.09.3	B	8 12 „
5	32.769	20.62	79.0	42.00	80.0	.0389	.7895	19.08.7	G	9 12 „
6	32.769	20·33	79.0	41.70	80.0	.0342	.7862	19.08.0	G	10 12 „
7	32.426	20.82	79.0	41.49	79.8	.0422	.7838	19.06.1	G	11 12 „
8	32.769	20.74	78.7	41.98	79.2	.0410	.7892	19.08.3	G	Midnight.
9	33.112	20·68	78.2	42.17	79.0	·0399	.7913	19.09.3	R	1 12 a. m
10	32.563	20.84	78.0	42.17	79.0	.0426	.7913	19.08.9	R	2 12 „
11	32.769	20.79	78.0	42.21	78.5	.0418	.7918	19.09.2	R	3 12 „

DAILY OBSERVATIONS, FROM 27TH TO 29TH JANUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JAN. 27TH—12	32°769	20.65	77°5	42.24	78°0	8.0394	2.7921	19°09'7	R	4 12 a. m.
13	32.494	20.75	77.5	42.39	78.0	.0411	.7937	19.10.2	B	5 12 „
14	32.494	20.77	77.0	42.48	77.8	.0415	.7947	19.10.4	B	6 12 „
15	32·837	20.64	76.6	42.48	77.5	.0393	.7947	19.10.8	B	7 12 „
16	33·455	20.81	77.0	42.68	77.5	.0421	.7969	19.11.1	B	8 12 „
17	34.552	21·13	78.5	42.55	78·3	.0473	.7955	19.10.1	G	9 12 „
18	34.278	21.50	80.0	41.99	79·5	.0534	.7893	19.06.8	G	10 12 „
19	32.769	21.87	82.0	41.52	80.5	.0595	.7842	19.03.9	G	11 12 „
20	31·534	22.08	83.5	41.24	81.3	.0629	.7811	19·02.3	G	Noon.
21	32.014	21.97	84.0	41.26	82·0	.0611	.7813	19.02.7	R	1 12 p. m.
22	31.397	21.92	84.3	41.09	82.9	.0602	.7794	19.02.0	R	2 12 „
23	31.397	21.62	84.3	41.22	83.0	.0553	.7809	19.03·2	R	3 12 „
JAN. 28TH—Noon.	32.563	21.40	84.0	41.41	83.5	.0518	.7830	19.04.5	R	4 12 „
1	33.180	21.10	83.0	41.44	82.9	.0468	.7833	19.05.3	B	5 12 „
2	32.700	20.99	82.0	41.52	82.3	.0450	.7882	19.05.8	B	6 12 „
3	32.837	20.97	81.2	41.70	81.6	.0447	.7862	19.06.5	B	7 12 „
4	32.631	20.89	80.6	41.83	81.1	.0434	.7876	19.07.4	B	8 12 „
5	32.769	20.90	80.0	42.02	80·6	.0435	.7897	19.08.2	G	9 12 „
6	32.769	20.97	79.5	42.01	80.0	.0447	·7896	19.07.9	G	10 12 „
7	32.769	20·47	79.0	42·00	80.0	.0366	.7895	19.09.0	G	11 12 „
8	32.769	20·94	78.7	41.99	79·5	.0442	.7893	19.08.0	G	Midnight.
9	33.112	21.03	78.5	41.98	79.2	.0457	.7892	19.07·6	R	1 12 a. m.
10	32.906	20.84	78.0	42.02	79·0	.0426	.7897	19.08.3	R	2 12 „
11	33.112	20.80	77.5	41.96	78.6	.0419	.7890	19.08.1	R	3 12 „
12	32.769	20.97	77.9	42.46	78.5	.0447	.7945	19.09.9	R	4 12 „
13	32.494	21.05	77.5	42.60	78.3	.0460	.7961	19.10.3	B	5 12 „
14	31.877	21.35	77.5	42.64	78.0	·0509	.7965	19.09.9	B	6 12 „
15	32·288	21.10	77.5	42.59	77.9	.0468	.7959	19·10.3	B	7 12 „
16	32.906	21.18	77·9	42·59	77.9	.0481	.7969	19.10.1	B	8 12 „
17	33.455	21.31	79.0	42.65	78.3	.0503	.7966	19.10.0	G	9 12 „
18	33.592	21.51	80.2	42.37	79.0	.0536	.7935	19.08.4	G	10 12 „
19	32.769	21.77	81·8	42.02	80.5	.0579	.7897	19.06.4	G	11 12 „
20	32.700	21.88	83.5	41.45	81·5	.0596	.7838	19.03.6	G	Noon.
21	32.769	21.78	84.2	41.36	82.0	.0580	.7824	19.03 5	R	1 12 p. m.
22	32.426	21.67	84.3	41.08	82.7	.0562	.7793	19.02.5	R	2 12 „
23	31.397	21.57	84·3	41·07	83.2	.0546	.7792	19.02.5	R	3 12 „
JAN., 29TH—Noon.	31.602	21.46	84.2	41.31	83.5	.0528	.7819	19.03.9	R	4 12 „
1	32.494	21·45	84.0	41.56	83.5	.0526	.7846	19.05.1	B	5 12 „
2	32.563	21.37	83.0	41.83	82.6	.0513	.7876	19.06.4	B	6 12 „
3	32·563	20.81	82.0	42.02	82.3	.0421	.7897	19·08.4	B	7 12 „
4	33.180	20.29	81.5	41.99	81.8	.0336	.7893	19.09.3	B	8 12 „
5	33.935	20·73	80.7	42.05	81.6	.0408	.7900	19.08.7	G	9 12 „
6	33.386	20.36	80.0	42.03	81.0	.0345	.7898	19.09.3	G	10 12 „
7	33.935	20.18	79.8	42.02	80.5	.0317	.7897	19.09.7	G	11 12 „
8	34.141	20.12	79.7	42.00	80.1	.0307	.7895	19.09.8	G	Midnight.
9	34.484	20.39	79.4	42.30	80.0	.0352	.7928	19.10.5	R	1 12 a. m.
10	34.141	20.39	79.3	42.40	80.0	.0349	.7939	19·11.1	R	2 12 „
11	34·141	20.12	79.0	42.29	79.5	.0307	.7926	19·11.0	R	3 12 „
12	33.455	20.26	78.4	42.37	79.0	.0331	.7935	19·11.1	R	4 12 „
13	33.455	20·39	78.0	42.58	78·5	.0352	.7958	19·10.7	B	5 12 „
14	33.112	20.59	78.0	42.46	78.5	.0385	.7945	19.11·7	B	6 12 „
15	32.083	20.75	77.5	42.36	78·0	.0411	.7934	19·10.0	B	7 12 „
16	32.631	21.00	77.5	42.69	78.0	.0452	.7970	19·10.8	B	8 12 „
17	33.798	21.32	78.7	42.66	78.5	.0504	.7967	19·10.1	G	9 12 „
18	33.798	21.68	81.0	42.67	79.0	.0563	.7968	19·09.3	G	10 12 „
19	33.249	21.67	81.8	42.10	80.0	.0562	.7906	19·06.9	G	11 12 „
20	33.935	21.54	81.9	42.12	80.5	·0541	.7908	19.07·3	G	Noon,
21	34.141	21.41	81.9	41.99	81.0	.0520	.7893	19.06·9	R	1 12 p. m.
22	33.455	21.35	82.5	41.40	81.5	.0509	.7829	19.04.6	R	2 12 „
23	32·083	21.45	82.5	41.31	81.9	.0526	.7819	19·03.9	R	3 12 „

DAILY OBSERVATIONS, FROM 30TH JANUARY TO 2ND FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JAN. 30TH-Noon	31°602	21.41	82°4	41.55	82°0	8.0520	2.7845	19°05′1	R	4 12 p. m.
1	32.426	21.23	81.6	41.80	81.7	.0490	.7873	19·06.5	B	5 12 „
2	32·151	21.17	80.5	41.98	81.0	.0480	.7892	19.07.4	B	6 12 „
3	32.220	21.13	79.9	42.17	80.5	.0473	.7913	19.08.4	B	7 12 „
4	32.151	21.26	79·5	42.20	79.9	.0495	.7917	19.08.0	B	8 12 „
5	32.426	21.21	79.2	42.49	79.5	.0487	.7948	19.09.5	G	9 12 „
6	32.083	21.17	79.0	42.28	79.2	.0480	.7925	19.08.8	G	10 12 „
7	32.700	21.00	78.5	42.17	79.0	.0452	.7913	19.08.6	G	11 12 „
8	32·769	20.89	78.0	42.16	78.7	.0434	.7912	19.08.8	G	Midnight.
9	32.494	21.00	77.3	42.52	78·2	.0452	.7952	19.10.1	N	1 12 a. m.
10	32 631	21.00	77.1	42.59	78.0	.0452	.7959	19.10.4	N	2 12 „
11	31.945	20.91	77.6	42·59	77.9	.0437	.7959	19.10.6	N	3 12 „
12	31·122	21.06	76·8	42.53	77.6	.0460	.7953	19.10.1	N	4 12 „
13	31.397	21.37	76.6	42.48	77.3	.0513	.7947	19.09.3	B	5 12 „
14	31.191	21.06	76.0	42.41	77.1	.0462	.7940	19.09.6	B	6 12 „
15	30.025	21.28	76.0	42.35	76.6	.0498	.7933	19.08.8	B	7 12 „
16	30.230	21.31	77.0	42.56	77.1	.0503	.7656	19.09.8	B	8 12 „
17	32 083	21.68	78.5	42.62	77·3	.0563	.7963	19.09.1	G	9 12 „
18	33.043	21·52	79.0	42·66	78.0	.0537	.7967	19.09.6	G	10 12 „
19	32.700	21.85	80.0	42.77	78.9	.0591	.7979	19.09·3	G	11 12 „
20	34.484	21.63	81.0	42·48	79.2	.0555	.7947	19.08.6	G	Noon.
21	35.176	21.10	80.8	42·37	79·1	.0468	.7935	19.09.3	N	1 12 p. m.
22	35.375	21.18	81.0	41·89	79.8	.0481	.7882	19.07.0	N	2 12 „
23	34.072	21.34	81.0	41.94	80.0	·0508	.7888	19.06.9	N	3 12 „
FEB. 1ST-Noon.	33.180	21.31	80.8	41·90	80.5	.0594	.7884	19.05.6	G.L	4 12 „
1	32.906	21.28	80.1	41.98	80.2	.0590	.7892	19.05.9	G.L	5 12 „
2	33.043	21.04	79.0	42.19	79.5	.0550	.7915	19.07.4	G.L	6 12 „
3	33.112	20.93	78.4	42.32	79.0	.0532	.7929	19.08.2	G.L	7 12 „
4	33.112	20.91	77.9	42.66	78.5	.0529	.7967	19.09.7	G.L	8 12 „
5	33.043	20.91	77.7	42.60	78.3	.0529	.7961	19.09.4	B	9 12 „
6	33.180	20.78	77.5	42.74	78.1	.0507	.7976	19.10.3	B	10 12 „
7	33.180	20·93	77.1	42.88	77.6	.0532	.7991	19.10.6	B	11 12 „
8	33.112	21.06	77.0	42.87	77.4	.0553	79.90	19.10.3	B	Midnight.
9	33.112	21.03	76.3	42.86	77.0	.0548	.7989	19.10.2	G	1 12 a. m.
10	33.455	21.08	76.0	42.90	76.5	.0556	.7994	19.10.3	G	2 12 „
11	33.523	21.06	75·9	42·95	76.5	.0553	.7999	19.10.6	G	3 12 „
12	33.112	21.33	75.1	42.91	76.3	.0597	.7995	19.09.9	G	4 12 „
13	33.386	21.04	74.5	42.87	75.5	.0550	.7990	19.10.3	G.L	5 12 „
14	32.769	21.05	74.4	42.81	75.2	.0551	.7984	19.10.0	G.L	6 12 „
15	32.151	20·97	73.2	43.14	74.7	.0539	.8020	19.11.7	G.L	7 12 „
16	32.498	21.40	74.5	43.09	74.7	.0609	.8014	19.10.5	G.L	8 12 „
17	32.974	21.77	76.5	42.94	75.5	.0680	.7998	19.09.0	B	9 12 „
18	32.837	22.04	78.6	42.65	76.5	.0714	.7966	19.07.4	B	10 12 „
19	32.288	22.22	79.0	42.32	77.3	.0744	.7930	19.05.6	B	11 12 „
20	32.837	22.03	79.6	42.68	77.7	.0712	.7969	19.07.4	B	Noon.
21	33.798	21·78	80.0	42.56	78.5	.0681	.7956	19.07.5	G	1 12 p. m.
22	34.827	21.68	80.3	42.47	79.0	·0648	.7946	19.07.3	G	2 12 „
23	34.895	21.39	80.5	42.27	79.5	.0617	.7924	19.06.8	G	3 12 „
FEB. 2ND-Noon.	33.592	21·42	80.7	42.08	80.0	.0612	.7903	19.06.2	G	4 12 „
1	32.288	21.28	80.3	42.00	80.0	.0590	.7895	19.06.1	N	5 12 „
2	32.769	21.25	79.5	42.39	79.5	.0585	.7937	19.07.8	N	6 12 „
3	32.906	21.15	79.0	42.47	79.0	.0567	.7946	19.08.4	N	7 12 „
4	33.112	20.89	78.6	42.61	78.8	.0525	.7962	19.09.4	N	8 12 „
5	33.455	21.08	78.5	42.66	78.6	.0556	.7967	19.09.3	B	9 12 „
6	33.180	20·96	78.2	42.70	78.3	.0537	.7972	19.09.7	B	10 12 „
7	33.249	21·05	77·8	42.76	78.0	.0551	.7978	19.09.8	B	11 12 „
8	33.249	21.17	77·4	42.89	78.0	.0570	.7992	19.10.1	B	Midnight.
9	34.141	21.15	77.2	42.92	77.8	.0567	.7996	19.10.3	G	1 12 a. m.
10	33.935	21.11	77.0	42.72	77.4	.0561	.7974	19.09.5	G	2 12 „
11	33.455	21.07	76.8	42.52	77.3	.0555	.7952	19.08.7	G	3 12 „

DAILY OBSERVATIONS, FROM 2ND TO 4TH FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Feb. 2nd—12	33.523	21.02	76·5	42.51	77·1	.0546	.7951	3.08·8	A	4 12 a. m.
13	32·357	21.35	76.3	42.80	76.8	.0600	.7983	.09.4	M	5 12 „
14	32.014	21.33	76.1	42.87	76.6	.0597	.7990	·09.7	M	6 12 „
15	32.426	21.35	76·0	42.94	76.2	.0600	.7998	.09.8	M	7 12 „
16	33.043	21.69	76.9	42.87	76.2	·0656	.7990	·08.9	M	8 12 „
17	03.660	21.92	78.1	42.67	77.4	.0704	.7979	.07.9	B	9 12 „
18	34.346	22.01	79.8	42.34	78·0	.0709	.7932	·06.0	B	10 12 „
19	33.935	21.89	80.8	42.11	78.7	.0699	.7907	.05.2	B	11 12 „
20	33.298	21.95	81.3	42.10	79.2	.0709	.7906	.05.0	B	Noon.
21	33.660	21.62	81·5	41.99	79.5	.0644	.7893	.05.4	G	1 12 p.m.
22	33.249	21.56	81·7	41.73	80.2	.0635	.7865	·04.3	G	2 12 „
23	32.083	21.49	81·9	41.92	80.3	.0621	.7886	.04.4	G	3 12 „
Feb. 3rd—Noon.	32.220	21.47	81.8	41·93	81.0	8.0621	2.7887	19.05·4	G	4 12 „
1	32.700	21.29	80.9	42.02	80.6	.0592	.7897	19.06.2	C	5 12 „
2	32.974	21.19	80.2	42.06	80.4	.0574	·7901	19·06.6	C	6 12 „
3	32.837	21.13	79.6	42.20	80·1	.0564	.7917	19·07·4	C	7 12 „
4	32.837	21.02	79.2	42.37	79.6	.0546	.7935	19.08·2	C	8 12 „
5	32.769	21.08	79.1	42.36	79.3	.0556	·7934	19.08.0	B	9 12 „
6	32.769	21.18	78.7	42.47	79.0	.0566	.7946	19.08·4	B	10 12 „
7	32.974	21.10	78.3	42.34	78.7	·0569	.7932	19.07.9	B	11 12 „
8	33.180	21.15	78.3	42·60	78.4	·0569	.7961	19.08.9	B	Midnight.
9	33.729	20.96	78.1	42.65	78.2	.0537	.7966	19.09.5	G	1 12 a. m.
10	33.592	21.27	77.9	42.61	78.0	.0589	.7962	19.08·6	G	2 12 „
11	33.346	21.42	77.6	42.54	77.9	.0612	.7954	19.08.2	G	3 12 „
12	33.455	21.36	77.0	42.78	77.5	.0602	.7980	19.09·3	G	4 12 „
13	33.112	21.09	76.9	42.82	77.3	.0558.	.7985	19.10.0	C	5 12 „
14	33.112	21.13	76.6	42.91	77.1	.0564	.7995	19.10·4	C	6 12 „
15	33.660	21·32	76.2	42.95	76.8	·0595	·7999	19.10·0	C	7 12 „
16	34.141	21.56	77.0	42.87	77.1	·0635	.7990	19.09.2	C	8 12 „
17	34.257	21.79	78.0	42.43	77.6	.0683	.7982	19.06.8	B	9 12 „
18	33.798	22.10	79.5	42.21	78.5	.0723	.7918	.1905.3	B	10 12 „
19	34.023	22.24	81.0	41.88	79.2	.0788	.7881	19.03.4	B	11 12 „
20	33.455	22.21	82.2	41.76	80.2	.0743	.7868	19.03·1	B	Noon.
21	33.455	22.00	82.5	41.72	80.5	.0707	·7864	19.03.3	G	1 12 p.m.
22	33.455	21.76	82.6	41.65	81.0	.0678	.7856	19.03.5	G	2 12 „
23	33.249	21.68	82·6	41.75	81.5	.0654	.7867	19.08.2	G	3 12 „
Feb. 4th—Noon.	32.700	21·41	82.0	41.75	81.8	8.0611	2.7867	19.08.8	G	4 12 „
1	32.220	21.22	81.2	41·83	81.6	.0580	.7876	19.05.5	C	5 12 „
2	32.426	21.05	80·1	41.92	80.5	.0551	·7886	19.06.2	C	6 12 „
3	32.837	21.12	79.2	41.95	79·6	.0562	.7889	19.06.2	C	7 12 „
4	32.837	20.97	79·0	41.98	79.4	·0539	.7892	19·06.6	C	8 12 „
5	32.974	20·85	78.6	42.22	79.1	.0518	.7919	19.01.9	B	9 12 „
6	32.906	21.09	78·5	42.42	78·9	.0558	.7941	19.08.3	B	10 12 „
7	33.043	20.99	78.0	42.61	78·5	.0542	.7962	19.09.3	B	11 12 „
8	33.455	20·81	77·5	42.60	78.3	.0512	.7961	19.09.7	B	Midnight.
9	33.455	20.93	77.4	42.64	78.0	.0532	.7965	19.09.6	G	1 12 a. m.
10	33·386	21.26	77.0	42.64	78.0	.0587	.7965	19.08.8	G	2 12 „
11	33·455	21.06	76.7	42.63	77.7	.0553	.7964	19.09.2	G	3 12 „
12	33.455	20.95	76.2	42.62	77.2	.0535	.7963	19.09.4	G	4 12 „
13	32·906	21·20	76·0	42.66	77.0	.0577	.7967	19.09.1	C	5 12 „
14	32.220	21.14	75.2	42.79	76.4	.0566	.7981	19.09.7	C	6 12 „
15	32.494	21.15	74.5	42.57	75.6	.0567	.7957	19.08.9	C	7 12 „
16	32·974	21.31	74.8	42.57	75.7	.0594	.7957	19.08.6	C	8 12 „
17	33.592	21.73	76.0	42.63	76.1	.0673	.7964	19·07.7	B	9 12 „
18	34.415	21.84	77.7	42.65	76.6	.0691	·7966	19.07.5	B	10 12 „
19	34·141	22·04	79.3	42.33	77.6	.0714	.7931	19.06.0	B	11 12 „
20	33.935	21.94	80.5	42.16	78.6	.0708	.7912	19·05·2	B	Noon.
21	34·621	21.63	81·0	42.09	79.5	·0646	.7904	19.05.6	G	1 12 p.m.
22	33.798	21.54	81.6	42.90	80.0	.0634	.7994	19.09·4	G	2 12 „
23	33.592	21.49	81.9	42.62	80.5	.0628	.7963	19.08.2	G	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 8TH FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Feb. 5th-Noon.	33·592	21.43	81°8	42.23	81°0	8.0614	2.7931	19°07·3	G	4 12 p.m.
1	32.631	21.33	81.0	42.22	80·8	·0597	.7930	19.07.4	C	5 12 „
2	32.426	21.28	79.7	42.30	80·0	.0590	.7939	19.07.8	C	6 12 „
3	32.700	21.19	79·1	42.14	79·5	.0574	.7960	19.07.0	C	7 12 „
4	32·769	21.13	78.8	42.08	79·2	.0564	.7903	19.06.8	C	8 12 „
5	32.220	21.18	78.5	42.21	78·6	.0572	.7918	19.07.3	B	9 12 „
6	32.357	21.11	78.0	42.31	78.5	.0561	.7929	19.07.8	B	10 12 „
7	32.837	21.12	77.8	42.35	78.3	.0562	·7933	19.08.0	B	11 12 „
8	32.700	21·08	77.4	42.54	77.7	.0556	.7954	19.08.8	B	Midnight.
9	32.906	20.96	76.7	42.46	77.4	.0537	.7945	19.08.8	G	1 12 a. m.
10	32·769	21.07	76.4	42.41	77.0	.0555	.7940	19·08.3	G	2 12 „
11	32.426	21.13	76.0	42.40	76.8	.0564	.7939	19.08.2	G	3 12 „
12	32.151	21.20	75.0	42.30	76.5	.0577	·7933	19.07.8	G	4 12 „
13	32.494	21.02	74.0	42.23	76.0	.0546	.7920	19.07.6	C	5 12 „
14	32.563	21.05	73.4	42.11	75.3	.0551	.7907	19.07.1	C	6 12 „
15	31.740	21·41	73.4	42.05	74.9	.0611	.7900	19.06.1	C	7 12 „
16	31.054	21.81	74.5	42.01	75.4	.0686	.7896	19.04.8	C	8 12 „
17	31.465	22.26	75.7	42.32	75.6	.0751	.7930	19.05.4	B	9 12 „
18	31.534	22.61	77.2	42.19	76.3	.0807	.7915	19.04.1	B	10 12 „
19	31.054	23.10	79.6	41.62	78.4	.0837	.7853	19.00.6	B	11 12 „
20	31.328	22.92	80.3	41.50	78.3	.0858	.7840	19.00.5	B	Noon.
21	31.191	22.78	81.1	41.48	79.2	.0835	.7839	19.00.7	G	1 12 p. m.
22	31.397	22.74	81.5	41.42	80.0	.0829	.7831	19.00.5	G	2 12 „
23	32.769	22.12	81.5	41.51	80·2	.0726	.7841	19.02.2	G	3 12 „
Feb. 6th-Noon.	32.563	21.99	81.0	41.52	80.5	.0710	.7842	19.02.5	G	4 12 „
1	32.494	21.65	80.3	41.51	80.4	.0649	.7841	19.03.2	C	5 12 „
2	32.083	21.42	79·2	41.59	79.7	.0612	.7849	19.04.1	C	6 12 „
3	32.014	21.33	78.9	41.68	79.4	.0597	.7859	19.04.6	C	7 12 „
4	32.426	21.10	78.6	41.87	79.1	.0559	.7880	19.05.9	C	8 12 „
5	32.494	20.98	78.5	42.11	78.8	.0540	.7907	19.07.3	B	9 12 „
6	33·043	20.74	78.0	42.25	78.4	.0501	.7922	19.08.3	B	10 12 „
7	33.660	20.68	77.4	42.30	78.2	.0490	.7928	19.08.7	B	11 12 „
8	33.249	20.79	76·6	42·18	77.5	.0509	.7914	19.07.9	B	Midnight.
9	32.906	21.15	76·1	42.11	77.0	.0567	.7907	19.06.9	G	1 12 a. m.
10	32.288	21.41	75.6	42·30	76.7	.0611	.7928	19.07.2	G	2 12 „
11	32.083	21.29	75.2	42.39	76.4	.0592	.7937	19.07.8	G	3 12 „
12	32.083	21.30	75·0	42.39	76.2	.0592	.7937	19.07.8	G	4 12 „
13	31.397	21.25	75.0	42.38	76.0	.0585	.7936	19.07.7	C	5 12 „
14	32.083	21·41	74.8	42.47	75.6	.0611	.7946	19.07.9	C	6 12 „
15	31.740	21.54	74.4	42.46	75.4	.0632	.7945	19.07·6	C	7 12 „
16	31·877	22.03	74.9	42.36	75.4	.0712	.7934	19.06.1	C	8 12 „
17	31.054	22.77	76.5	42.38	76.0	.0834	.7936	19.04.6	B	9 12 „
18	32.083	22.86	78.4	42.41	77.0	.0783	.7940	19.05.5	B	10 12 „
19	32.151	22.19	80.0	42.04	78.1	.0738	.7899	19.04.3	B	11 12 „
20	32.083	22.42	81.0	41.67	79.0	.0776	.7858	19.02.3	B	Noon.
21	32.706	22.50	82.0	41.74	79.6	.0789	.7866	19.02.3	G	1 12 p. m.
22	33.455	22.15	82.4	41.76	80.4	.0731	.7868	19.03.2	G	2 12 „
23	34.552	21.57	82.9	41.73	80.9	·0637	.7865	19.04.3	G	3 12 „
Feb. 8th-Noon.	34.003	21.40	82.2	41.40	81.5	.0609	.7829	19.03.3	C	4 12 „
1	33.386	21.19	80.8	41.43	81.0	.0574	.7832	19.03.9	C	5 12 „
2	33.455	21.23	80.1	41.57	80·8	.0582	.7847	19.04.5	C	6 12 „
3	33.935	21.37	79.5	41.86	80.2	.0604	.7879	19.05.3	C	7 12 „
4	34.072	21·09	79.0	41.95	80.0	.0558	.7889	19.06.2	C	8 12 „
5	33.660	20.83	78.2	42.13	79.2	.0515	.7909	19.07.5	B	9 12 „
6	33.729	20.90	77.8	42.06	78.5	.0527	.7901	19.07.1	B	10 12 „
7	33.180	21.06	77.3	42.09	78.3	.0553	.7904	19.06.9	B	11 12 „
8	33.180	21.40	77.5	42.24	78.1	·0609	.7921	19.06.9	B	Midnight.
9	33.931	21.16	77.0	42.29	78.0	.0569	.7926	19.07.6	G	1 12 a. m.
10	33.180	21.09	76.8	42.33	77·5	.0558	.7931	19.07.9	G	2 12 „
11	33.043	20.97	76.5	42.42	77.2	.0539	.7941	19.08.6	G	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Feb. 8th—12	32·083	20.97	76·0	42.37	77·0	8.0532	2.7935	19°08′5	G	4 12 a. m.
13	32.769	20.98	75.7	42.40	76.8	.0540	.7939	19.08.5	C	5 12 „
14	32.288	20.99	75.2	42.49	76.2	·0542	.7948	19.08.9	C	6 12 „
15	32.426	20·93	74.4	42.67	75.5	.0532	.7968	19.04.7	C	7 12 „
16	32.769	21.25	75.0	42.77	75.6	.0585	.7979	19·09.3	C	8 12 „
17	32·769	21.50	76.5	42.74	76.2	.0625	.7976	19.08.7	B	9 12 „
18	32·631	21.80	77.8	42.40	76.6	.0684	.7939	19.06.7	B	10 12 „
19	32.426	21.98	79·2	42.08	77.5	.0714	.7903	19.04.9	B	11 12 „
20	32.151	21.99	80.3	41.91	78.5	.0716	.7885	19.08.0	B	Noon.
21	32.769	21.83	81.0	41.97	79.0	.0689	·7891	19·04.6	G	1 12 p. m.
22	33.798	21.60	81.4	41.80	80.0	.0641	.7873	19.04.6	G	2 12 „
23	33.112	21.37	81.4	41.71	80.2	.0604	.7863	19.04.7	G	3 12 „
Feb. 9th-Noon.	34.278	21.13	81.0	41.72	80.5	.0564	.7864	19.05.2	G	4 12 „
1	34.209	21.09	80.0	41.76	80.3	.0558	.7868	19.05.4	C	5 12 „
2	34.621	20.82	79.0	41.95	80.0	.0513	.7889	19.06.9	C	6 12 „
3	34.895	20.79	78.5	41.98	79.3	.0509	.7892	19.07.0	C	7 12 „
4	34.689	20.86	78.1	41.96	78.6	.0520	.7890	19.06.8	C	8 12 „
5	34.003	20.70	77.5	42.26	78.1	.0494	.7921	19.08.4	B	9 12 „
6	33.660	20.95	77.2	42.38	77.6	.0535	.7936	19.08.4	B	10 12 „
7	33.592	20.95	77.2	42.50	77.5	.0535	.7953	19.09.1	B	11 12 „
8	33.180	20.96	77.0	42.44	77.4	.0537	.7943	19.08.7	B	Midnight.
9	33.112	21.11	76.7	42.41	77.1	.0561	.7940	19.08.3	G	1 12 a. m.
10	34.141	21.06	75.6	42.49	76.2	.0553	.7948	19.08.7	G	2 12 „
11	33.180	20.94	75.2	42.65	76.0	.0534	.7964	19.09.5	G	3 12 „
12	33.112	21.05	75.0	42.62	75.5	.0551	.7963	19.09.2	G	4 12 „
13	33.455	20.95	74.7	42.66	75.2	.0535	.7967	19.09.6	B	5 12 „
14	32.769	21.07	74.0	42.64	74.8	.0555	.7965	19.09.2	B	6 12 „
15	32.769	21.01	73.4	42.83	74.4	.0545	.7986	19.10.1	B	7 12 „
16	32.426	21.32	74.0	42.94	74.5	.0595	.7998	19.10.0	B	8 12 „
17	33.386	21.52	75.1	42.85	75.0	.0625	.7988	19.09.2	C	9 12 „
18	33.386	21.78	76.9	42.68	76.0	.0680	.7969	19.07.8	C	10 12 „
19	33.043	22.01	77·7	42.55	76.6	.0709	.7955	19.07.0	C	11 12 „
20	32.906	22.04	78.6	42.52	77.2	.0714	.7952	19.06.8	C	Nooh.
21	32.631	21.96	79.5	42.38	78.0	.0711	.7936	19.06.2	G	1 12 p. m
22	32.974	21.89	79.8	41.96	78.5	.0699	.7890	19.04.5	G	2 12 „
23	33.249	21.51	80.0	41.67	79.0	.0627	.7858	19.04.2	G	3 12 „
Feb. 10th-Noon.	34.484	21.34	80.1	41.59	79.5	.0599	.7849	19.04.2	G	4 12 „
1	32.906	21.32	79.2	41.57	79.0	.0595	.7847	19.04.4	C	5 12 „
2	32.631	21.12	78.1	41.76	78·7	.0562	.7868	18.05.4	C	6 12 „
3	32.906	21.07	77.4	41.95	78.2	.0555	.7889	19.06.2	C	7 12 „
4	33.083	21.13	77.0	42.04	78.0	.0564	.7899	19.06.6	C	8 12 „
5	32.900	21.06	76.7	42.02	77.4	·0553	.7897	19.06.7	B	9 12 „
6	32.974	21.23	76.3	42.05	76.6	.0582	.7900	19.06.5	B	10 12 „
7	32.631	21.24	75.8	42.14	76.3	.0584	.7910	19.06.9	B	11 12 „
8	32.769	21.20	75.3	42.07	75.8	.0577	.7902	19.06.5	B	Midnight.
9	33.112	21.05	75.0	42.08	75.2	.0551	.7903	19.06.9	G	1 12 a. m.
10	32.426	21.03	74.5	42.35	75.1	.0548	.7933	19.08.1	G	2 12 „
11	31.740	21·02	74.0	42.39	75.0	.0546	.7935	19.08.2	G	3 12 „
12	31.740	21.07	73.7	42.52	74.6	.0555	.7952	19.08.7	G	4 12 „
13	34.141	21.25	73.6	42.63	74.3	.0585	.7964	19.08.7	C	5 12 „
14	33.729	21.21	73.5	42.67	74.1	.0579	.7968	19.09.1	C	6 12 „
15	32.288	21.32	73.4	42.82	74.0	.0595	.7985	19·09.5	C	7 12 „
16	32.083	21.40	74.0	42.83	74.3	.0609	.7986	19.09.4	C	8 12 „
17	32.837	21.53	74.6	42.89	74.5	.0630	.7992	19·09·3	B	9 12 „
18	33.455	21.70	76.1	42.50	75.1	.0668	.7950	19.07.3	B	10 12 „
19	33.317	21.95	77.5	42.08	76.0	.0709	.7903	19.04.9	B	11 12 „
20	32.288	21.84	79.0	41.62	77.3	.0691	.7853	19.03.2	B	Noon.
21	32.083	21.91	80.0	41.44	78.0	.0703	.7833	19.02.3	G	1 12 p. m.
22	32.426	21.83	80.2	41.26	78.5	.0689	·7813	19.01.6	G	2 12 „
23	32.769	21.83	81.2	41.28	79.2	.0689	·7815	19.01.7	G	3 12 „

DAILY OBSERVATIONS, FROM 11TH TO 13TH FEBRUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
FEB. 11TH-Noon.	33°798	21.31	80°5	41.34	79°7	8.0594	2.7826	19°03.4	G	4 12 p. m.
1	33·455	21.12	80.0	41.39	79.5	.0562	.7827	19.03.9	C	5 12 „
2	33.798	20.91	79.0	41.48	79.2	.0529	.7837	19.04.7	C	6 12 „
3	34.484	20.56	78.4	41.57	78.9	.0471	.7847	19.05.9	C	7 12 „
4	33.043	20.87	77.8	41.62	78.5	.0522	.7853	19.05.4	C	8 12 „
5	32.494	20.93	77.4	41.79	77.9	.0532	.7871	19.05.9	B	9 12 „
6	32.631	21.26	77.0	41.87	77.4	.0587	.7880	19.05.5	B	10 12 „
7	32.631	21.14	76.6	41.96	77.1	.0566	.7890	19.06.2	B	11 12 „
8	32.494	21.15	76.1	42·05	76.7	.0567	.7900	19·06.6	B	Midnight.
9	32.426	21.30	76.4	42.20	76.5	.0592	.7917	19.07.0	G	1 12 a. m
10	32.769	21.15	76.2	42.24	76.2	.0567	.7921	19.07.4	G	2 12 „
11	32.426	21.15	75.7	42.30	76.1	.0567	.7928	19.07.7	G	3 12 „
12	32.220	21.21	75.5	42.38	76.0	.0579	.7936	19.07.9	G	4 12 „
13	31.602	21.33	75.3	42.48	76.0	.0597	.7947	19.08.1	C	5 12 „
14	31.534	21.30	75.0	42.52	75.7	.0592	.7952	19.08.3	C	6 12 „
15	32.631	20.96	74.8	42.81	75.4	.0537	.7984	19.10.2	C	7 12 „
16	33.180	21.23	75.7	42.52	75.7	.0582	.7952	19.08.5	C	8 12 „
17	33.317	21.54	76.6	43.53	76.0	.0632	.7953	19.07.9	B	9 12 „
18	33·249	21.86	78.0	42.10	76.8	.0694	.7906	19.05.2	B	10 12 „
19	32.974	22.06	79.5	41·63	77.7	.0717	.7854	19.02.8	B	11 12 „
20	32.151	22.17	80.8	41.32	79.0	.0735	.7820	19.01.3	B	Noon.
21	32.288	22.35	82.8	40.99	80.5	.0764	.7783	18.59.5	G	1 12 p. m.
22	32.220	22.09	84.0	40.80	81·5	.0722	·7763	18.59.2	G	2 12 „
23	32.083	21.85	83.7	40.87	82.2	.0692	.7770	18.59.9	G	3 12 „
FEB. 12TH-Noon.	32.906	21.69	83.3	41.07	82.2	.0656	.7792	19.01.1	G	4 12 „
1	32.906	21.56	82.8	41.11	81.9	.0635	.7797	19.01.7	C	5 12 „
2	32.426	21.46	81.4	41.15	81.5	.0619	.7801	19.02.0	C	6 12 „
3	32.974	21.34	80.7	41.20	80.8	.0599	.7807	19.02.6	C	7 12 „
4	32.767	21.33	80.0	41.31	80.4	.0597	.7819	19.03.0	C	8 12 „
5	32.494	21.14	79.1	41.49	79.6	.0566	.7838	19.04.2	B	9 12 „
6	32.494	21.28	78.5	41.42	79.0	.0590	.7831	19.03.6	B	10 12 „
7	32.357	21.35	77.8	41.56	78·5	.0600	.7846	19.04.1	B	11 12 „
8	32.220	21.29	78.0	41.65	78.3	.0592	.7856	19.04.6	B	Midnight.
9	32.357	21.30	78.2	41.75	78.2	.0592	.7867	19.05.0	G	1 12 a. m.
10	31.877	21.47	77.7	41.74	78.0	.0621	.7866	19.04.5	G	2 12 „
11	32.014	21·37	77.5	41.68	77.5	.0604	.7859	19.04·6	G	3 12 „
12	32.357	21.12	77.3	41.82	77.3	.0562	.7875	19.05.7	G	4 12 „
13	32.426	21.19	77.0	41.87	77.1	.0574	.7880	19.05.8	C	5 12 „
14	31·808	21.15	76.5	41.96	76.9	.0567	.7890	19.06.2	C	6 12 „
15	32.426	21·21	76.2	42.00	76.5	.0579	.7895	19·06.3	C	7 12 „
16	33.112	21.65	77·2	42.10	77.2	.0649	.7906	19.05.7	C	8 12 „
17	34.827	22.21	78.8	41.98	77.5	.0743	·7892	19·04.0	B	9 12 „
18	34·484	22.43	80.1	41.65	78.4	.0778	·7856	19.02.2	B	10 12 „
19	33.935	22.49	80.3	41.26	78.6	.0788	·7813	18.59.9	B	11 12 „
20	33.660	22·47	80.3	41.28	78.8	.0785	.7815	19.00.4	B	Noon.
21	33.935	22.21	80.8	41.19	79.5	.0743	.7805	19.00.7	G	1 12 p. m.
22	33.592	21.93	81.0	41.05	80·0	.0706	.7790	19.00.5	G	2 12 „
23	33·386	21.67	81.5	40.92	80.8	.0653	.7776	19.00.6	G	3 12 „
FEB. 13TH-Noon.	33.043	21.71	81.5	40.84	81.2	.0660	.7767	19.00.1	G	4 12 „
1	32.700	21.56	81.0	40.73	80.9	.0635	.7755	19.00.1	C	5 12 „
2	32.769	21.51	80.6	40.87	80.7	.0627	.7770	19.00.7	C	6 12 „
3	32.974	21.32	80.0	41.02	80.5	.0595	.7787	19.01.8	C	7 12 „
4	32.974	21.21	79·6	41.20	80.1	.0579	.7807	19.02.9	C	8 12 „
5	33·180	21.90	78.6	41.37	79.1	.0527	.7825	19.04.2	B	9 12 „
6	32.837	21.01	78.4	41.54	78.7	.0546	.7844	19.04.6	B	10 12 „
7	32.494	21.24	78.0	41.66	78.5	.0584	.7857	19.04.9	B	11 12 „
8	32.357	21.22	77·6	41.80	78.2	.0580	.7873	19.05.4	B	Midnight.
9	32.083	21·31	77.5	41.94	78.0	.0594	.7888	19.05.8	G	1 12 a. m.
10	32.083	21.29	77.1	41.93	77.5	.0592	.7887	19.05.8	G	2 12 „
11	32.014	21.33	76.8	41.89	77.2	.0597	.7882	19.05.4	G	3 12 „

DAILY OBSERVATIONS, FROM 15TH TO 17TH FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Feb. 15th—12	31·877	21.37	76·5	41.84	77·0	8.0604	2.7877	19°05′3	G	4 12 a. m.
13	31.465	21.43	76.0	41.97	76.5	.0614	.7891	19.05.7	C	5 12 „
14	32.426	21.33	75.4	41.88	76.2	.0597	.7881	19.05.4	C	6 12 „
15	32.563	21.35	75.0	41.85	75.5	.0600	.7868	19.05.3	C	7 12 „
16	32.426	21.70	76.0	41.88	76.1	.0668	.7881	19.04.5	C	8 12 „
17	32.700	22·03	77.5	41.65	76.7	.0712	.7856	19.03.1	B	9 12 „
18	32.288	22.34	79.0	41·38	77.5	.0762	.7826	19.01.6	B	10 12 „
19	32.288	22.37	80.1	41.23	78.4	.0767	.7810	19.00.5	B	11 12 „
20	32.426	22.10	80.5	40.96	78·7	.0709	.7784	19.00.2	B	Noon.
21	32.494	22.03	81.1	40.97	79.0	.0712	.7782	19.00.1	G	1 12 p. m.
22	32.083	21·88	81.3	40.90	80.0	.0697	.7774	18.59.9	G	2 12 „
23	32.083	21.89	81.5	40·94	80.3	.0699	.7778	19.00.1	G	3 12 „
Feb. 16th-Noon.	32·288	21.83	80.7	41.02	80·5	.0689	.7787	19.00.6	C	4 12 „
1	32.151	21.76	80.0	41.06	80·2	.0678	.7791	19.00·9	C	5 12 „
2	32.563	21.49	78.0	41.17	79.0	.0624	.7803	19.02.1	C	6 12 „
3	32.563	21.40	77.5	41.41	78.6	.0609	.7830	19.03.4	C	7 12 „
4	32.837	21.53	77.1	41.54	78.1	.0630	.7844	19.03.6	C	8 12 „
5	32.494	21.52	76.9	41·88	77.5	.0628	.7881	19.05.0	B	9 12 „
6	32.563	21.44	76.6	41.87	77.4	.0616	.7880	19·05.1	B	10 12 „
7	32.906	21.49	76.6	41.87	77.2	.0624	.7880	19.05.1	B	11 12 „
8	33.043	21·38	76·0	42·00	76·7	.0605	.7895	19.05.9	B	Midnight.
9	32.769	21.46	75.6	42.02	76.0	·0619	.7897	19·05.8	G	1 12 a. m.
10	32.769	21.38	75.0	42.06	75.9	.0605	.7901	19.06.1	G	2 12 „
11	32.769	21.36	74.8	42.07	75.8	·0602	.7902	19.06.2	G	3 12 „
12	32·083	21.36	74.5	42.15	75.5	.0602	.7911	19.06.6	G	4 12 „
13	31.945	21.44	74.1	42.26	75.2	·0616	.7923	19.06.8	C	5 12 „
14	31.740	21.48	74.0	42.30	75.0	.0622	.7928	19.07.0	C	6 12 „
15	31.671	21.52	74.0	42.35	75.0	.0628	·7933	19.07·1	C	7 12 „
16	32.769	21.65	75.0	42.46	75.3	.0649	.7945	19.07.3	C	8 12 „
17	33·455	22.20	76.6	42.22	75.6	.0741	.7919	19.05.1	B	9 12 „
18	34.141	22.45	77.8	41.85	76.5	.0781	.7878	19.03.0	B	10 12 „
19	33.583	22·58	78.2	41·41	77.0	.0802	.7830	19.00.9	B	11 12 „
20	32.906	22.70	78.6	41.17	77.4	.0822	.7803	18.59.5	B	Noon.
21	32.494	22.37	79.0	41.14	78.0	.0768	.7800	19.00.1	G	1 12 p. m.
22	32.083	22.09	79.5	41.18	78.5	.0722	.7804	19.00.8	G	2 12 „
23	32.083	22.00	79.7	41.27	79.0	.0707	.7814	19.01.4	G	3 12 „
Feb. 17th-Noon.	32.083	21.78	79.6	41.28	79·1	.0681	.7815	19.01.9	G	4 12 „
1	32·014	21.58	78.9	41.17	79.0	.0638	.7803	19.01.9	C	5 12 „
2	31.945	21·45	77.8	41·11	78.5	.0617	.7797	19.01.9	C	6 12 „
3	32.220	21.37	77·2	41.29	78.0	.0604	.7816	19.02.9	C	7 12 „
4	32.426	21·53	76.9	41·53	77.7	.0630	.7843	19.03·6	C	8 12 „
5	32.494	21.29	76.6	41.84	77.3	.0592	.7877	19.05.4	B	9 12 „
6	32.451	21.37	76.5	41.87	77.2	.0604	.7880	19.05.4	B	10 12 „
7	32.357	21.52	76.2	41.90	76.7	.0628	.7884	19.05.1	B	11 12 „
8	32.494	21.51	75.9	42.05	76.5	.0627	.7900	19.05.8	B	Midnight.
9	32.494	21.63	75.8	42.09	76.3	.0646	.7904	19.05.6	G	1 12 a. m.
10	32.426	21.59	75.5	42.10	76.0	.0640	.7900	19·05.9	G	2 12 „
11	32.083	21.55	75.3	42.05	75.6	·0633	.7900	19.05.8	G	3 12 „
12	31.740	21.50	75.3	42.11	75.6	·0625	.7907	19.06.1	G	4 12 „
13	31.465	21.54	75.1	41.97	75.5	.0632	.7891	19.05.4	C	5 12 „
14	31.602	21.61	75.0	42.11	75.3	.0643	.7907	19.06.1	C	6 12 „
15	31.740	21.60	74.7	42.25	75.0	.0641	.7922	19.06.5	C	7 12 „
16	32.426	21.87	75.1	42.46	75.4	.0696	.7945	19.06.7	C	8 12 „
17	33.317	22.27	76.4	42.42	75.5	.0752	.7941	19.05.8	B	9 12 „
18	33.866	22.57	77.6	42.03	76.1	.0800	.7898	19.03.5	B	10 12 „
19	33.386	22.77	78.7	41.51	77.1	.0833	.7841	19.00.9	B	11 12 „
20	33.317	22.74	79.6	41.39	78.1	.0829	.7827	19.00.4	B	Noon.
21	33.455	22.48	80.2	41.37	79.0	.0786	.7825	19.00.8	G	1 12 p. m.
22	33.455	22.08	80.7	40·99	79.5	.0720	.7783	19.00.3	G	2 12 „
23	32.769	21.78	80.7	41.00	80.0	.0681	.7785	19.00.7	G	3 12 „

DAILY OBSERVATIONS, FROM 18TH TO 20TH FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Feb. 18th-Noon.	32·563	21.51	80°1	41.12	80°5	8.0627	2.7798	19°01'8	G	4 12 p. m.
1	32.563	21.35	79.8	41.20	80.0	.0600	.7807	19.02.6	C	5 12 „
2	32.563	21.14	78.5	41.24	79.4	.0566	.7811	19.03.1	C	6 12 „
3	32.083	21.20	77.5	41.27	79.0	.0577	.7814	19.03.1	C	7 12 „
4	32.426	21.33	77.3	41.56	78.5	.0597	.7846	19.04.1	C	8 12 „
5	32.974	21.07	76.5	41.88	77.6	.0555	.7881	19.05.9	B	9 12 „
6	32.563	21.10	76.1	41.87	77.2	.0559	.7880	19.05.9	B	10 12 „
7	33.112	20.92	75.8	42.00	76.6	.0530	.7895	19.06.9	B	11 12 „
8	32.906	20.89	75.5	42.10	76.5	.0525	.7906	19.07.3	B	Midnight.
9	32.906	20.92	75.3	42.03	76.3	.0530	.7898	19.07.0	G	1 12 a. m.
10	32.769	20.95	75.0	41.99	76.0	.0535	.7893	19.06.7	G	2 12 „
11	32.769	21.09	75.5	42.16	75.5	.0558	.7912	19.07.1	G	3 12 „
12	32.769	21.19	75.5	42.17	75.5	.0574	.7913	19.07.1	G	4 12 „
13	32.769	21.04	75.0	42.19	75.2	.0550	.7915	19.07.4	C	5 12 „
14	32.288	21.12	74.0	42.19	74.6	.0562	.7915	19.07.3	C	6 12 „
15	31.877	21.04	73.0	42.42	74·1	.0550	.7941	19.08.4	C	7 12 „
16	32.288	21.43	73.5	42.62	74.3	.0614	.7963	19.08.5	C	8 12 „
17	32.769	21.79	75.2	42.69	74.8	.0683	.7970	19.07.9	B	9 12 „
18	33.592	22.13	77.0	42.35	75.6	.0725	.7933	19.05.8	B	10 12 „
19	34.072	22.06	78.4	41.91	77.0	.0717	.7885	19.04.0	B	11 12 „
20	33.249	22.15	80.0	41.34	78.1	.0731	.7822	19.01.4	B	Noon.
21	33.249	22.07	81.0	41.40	78.5	.0719	.7829	19.01.8	G	1 12 p. m.
22	32.769	21.89	81.5	40.98	79.3	.0699	.7782	19.00.2	G	2 12 „
23	31.741	21.92	81.5	40.72	80.5	.0704	.7754	18.59.2	G	3 12 „
Feb. 19th-Noon.	32.083	21.75	80.7	40.82	80.5	.0676	.7765	18.59.8	G	4 12 „
1	32.014	21.64	80.1	40.90	80.1	.0648	.7774	19.00.5	C	5 12 „
2	31.945	21 59	79.1	40.99	79.5	.0640	.7783	19.01.1	C	6 12 „
3	32.083	21.44	78.3	41.12	79.1	.0616	.7798	19.01.9	C	7 12 „
4	31.465	21.37	77.6	41.36	78.6	.0604	.7824	19.03.2	G	8 12 „
5	31.534	21.75	77.2	41.39	78.0	.0676	.7827	19.02.4	B	9 12 „
6	31.671	21.66	76.4	41.57	77.4	.0651	.7847	19.03.5	B	10 12 „
7	31.740	21.50	76.1	41.81	77.0	.0625	.7874	19.04.7	B	11 12 „
8	31.740	21.58	76.0	42.10	76.5	.0635	.7906	19.05.9	B	Midnight.
9	32.014	21.69	75.8	42.16	76.0	.0656	.7912	19.05.8	G	1 12 a. m.
10	32.014	21.68	75.6	42.21	75.8	.0654	.7918	19.06.2	G	2 12 „
11	32.083	21.72	75.4	42.27	75.5	.0671	.7924	19.06.2	G	3 12 „
12	32.083	21.63	74.9	42.16	75.3	.0646	.7912	19.05.9	G	4 12 „
13	31.740	21.47	74.0	42.15	75.0	.0620	.7911	19.06.3	C	5 12 „
14	31.671	21.50	73.5	42.19	74.8	.0625	.7915	19.06.4	C	6 12 „
15	31.808	21.81	73.4	42.27	74.4	.0686	.7924	19.05.9	C	7 12 „
16	32.700	22.12	74.0	42.29	74.5	.0726	.7926	19.05.5	C	8 12 „
17	33.249	22.53	75.5	42.29	74.8	.0794	.7926	19.04.7	B	9 12 „
18	33.317	22.77	77.4	41.88	76.1	.0834	.7881	19.02.4	B	10 12 „
19	32.631	23.15	79.0	41.22	77.2	.0895	.7809	18.58.7	B	11 12 „
20	31.877	23.28	81.2	40.81	78.6	.0918	.7764	18.56.6	B	Noon.
21	32.083	22.90	82.5	40.89	79.7	.0855	.7772	18.57.7	G	1 12 p. m.
22	31.877	22.60	82.7	40.71	80.2	.0805	.7753	18.57.8	G	2 12 „
23	31.465	22.31	82.8	40.63	81.0	.0758	.7744	18.58.0	G.	3 12 „
Feb. 20th-Noon.	32.700	22.17	82.5	40.65	81.5	.0734	.7746	18.58.5	G	4 12 „
1	32.837	21.99	81.6	40.78	81.0	.0716	.7760	18.59.1	C	5 12 „
2	32.220	21.75	80.5	40.82	80.5	.0675	.7765	18.59.9	C	6 12 „
3	32.220	21.68	79.6	41.10	80.1	.0654	.7796	19.01.4	C	7 12 „
4	32.357	21.69	79.1	41.24	79.8	.0656	.7811	19.01.9	C	8 12 „
5	32.014	21.77	79.0	41.43	79.2	.0679	.7832	19.02.5	B	9 12 „
6	32.083	21.65	78.6	41.51	78.6	.0649	.7841	19.03.2	B	10 12 „
7	32.288	21.60	78.1	41.60	78.4	.0641	.7851	19.03.8	B	11 12 „
8	32.494	21.66	78.4	41 65	78.4	.0651	.7856	19.03.8	B	Midnight.
9	32.769	21.63	77.6	41.65	78.2	.0646	.7856	19.03.8	G	1 12 a. m.
10	32.769	21.65	77.2	41.68	78.0	.0649	.7859	19.03.9	G	2 12 „
11	32.426	21.51	77.0	41.62	77.3	.0627	.7853	19.04.0	G	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 23RD FEBRUARY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
FEB. 20TH—12	32·220	21.60	77·5	41.63	77·7	8.0641	2.7854	19°03'9	G	4 12 a. m.
13	32.151,	21.70	77.1	41.73	77·5	.0668	.7865	19.03.9	C	5 12 „
14	32.014	21.68	76·8	41.82	77.3	.0654	.7875	19.04.5	C	6 12 „
15	31.740	21.85	76.4	41.91	77.0	.0692	.7885	19.04·4	C	7 12 „
16	31.877	22.11	77.0	42.02	77·2	.0725	.7899	19.04·4	C	8 12 „
17	32.769	22.73	78.5	41·58	77.8	.0827	.7842	19·00.9	B	9 12 „
18	32.563	23.19	79.9	41.21	78.6	.0902	.7808	18.58.7	B	10 12 „
19	32.288	23·32	81.7	40.95	79.9	.0923	.7779	18·57.2	B	11 12 „
20	32.357	23·49	83.4	40.49	81.4	.0952	.7728	18.54.9	B	Noon.
21	32.083	23.30	84·7	40.69	83.0	.0920	.7750	18.56.2	G	1 12 p. m.
22	30.843	22.96	85.6	40.12	84.0	.0865	.7688	18.54.4	G	2 12 „
23	30·985	22.74	86.8	39.92	85.5	.0829	.7666	18.54.0	G	3 12 „
FEB. 22ND-Noon.	31.808	22.32	85.0	40.54	84.5	·0759	.7734	18.57.6	G	4 12 „
1	31.945	22.14	84.1	40.63	84.3	.0730	.7744	18·58.4	G	5 12 „
2	32.220	21.91	82.3	40·62	83.4	.0703	.7743	18.58·8	C	6 12 „
3	32.357	21.51	81.7	40.83	82.7	.0629	.7786	19.01.3	C	7 12 „
4	32.426	21·20	81.1	41.07	82.2	.0579	.7792	19.02.2	C	8 12 „
5	32.220	21.14	80·2	41.28	82.0	.0566	.7815	19.03.3	B	9 12 „
6	32.426	21.04	79.4	41.13	81.0	·0550	.7799	19.02.8	B	10 12 „
7	32·631	21.29	79.2	41.32	80.5	.0592	.7820	19.03.2	B	11 12 „
8	33.112	21.25	78.9	41.34	79.8	.0585	.7822	19.03.2	B	Midnight.
9	34.141	21.08	78.5	41·37	79.0	.0556	.7825	19.03.8	G	1 12 a. m.
10	34.346	20.99	78.0	41.35	78.9	.0542	.7823	19.04.0	G	2 12 „
11	34.141	21.40	77.5	41·40	78.5	.0609	·7829	19.03.3	G	3 12 „
12	34.758	20.87	77.0	41.45	78.2	.0521	.7834	19.04.6	G	4 12 „
13	33.502	20.82	76.8	41.48	77.8	.0513	.7837	19.05.0	C	5 12 „
14	33.660	20.71	76.5	41.52	77.4	.0496	.7842	19.05.2	C	6 12 „
15	33.798	20.78	76.0	41.81	77.0	.0507	.7874	19.06.3	C	7 12 „
16	33.523	21.25	77.4	41.93	77.5	.0585	.7887	19.05.8	C	8 12 „
17	33.660	21.57	79.0	41.55	78.2	.0636	.7845	19.03.6	B	9 12 „
18	33.112	21.56	80.3	41·07	79.0	.0635	.7795	19.01.6	B	10 12 „
19	31·740	21.88	82.5	40.67	80.6	.0697	.7748	18.59.0	B	11 12 „
20	31.465	21.99	84.6	40.71	81.9	.0712	.7752	18.59.0	B	Noon.
21	31.740	21.85	85.3	40·58	82.7	.0692	.7738	18.58.7	G	1 12 p. m.
22	31.740	21.58	85.7	40.60	83.3	.0638	.7741	18.59.5	G	2 12 „
23	31,671	21·34	85.5	40.52	84.0	.0599	.7732	19·59.6	G	3 12 „
FEB. 23RD-Noon.	32.769	20.96	84.5	40.62	84·0	.0537	.7743	19.00.9	G	4 12 „
1	32.288	20.98	83.2	40.74	73.9	·0540	.7756	19.01.4	C	5 12 „
2	32.631	21.20	82.0	40·83	82.6	.0577	.7766	19·01.2	C	6 12 „
3	32.769	21.15	81.5	41.06	82·1	.0567	.7791	19.02.3	C	7 12 „
4	32.631	21.18	81·0	41.10	81.5	.0572	.7796	19.02.5	C	8 12 „
5	32.700	20.93	80.6	41.37	80·6	.0532	.7825	19.04.2	B	9 12 „
6	33.112	21.04	80.5	41.22	80·5	.0550	.7809	19.03.2	B	10 12 „
7	33.043	21.05	80.0	41·26	80·2	.0551	·7813	19.03·4	B	11 12 „
8	32.700	21.11	79.5	41.49	79·8	.0561	.7838	19·04.3	B	Midnight.
9	32.563	21·37	79.0	41.51	79·0	.0603	.7841	19.03.9	G	1 12 a. m.
10	32.906	21·09	78.0	41.66	78·6	·0558	.7802	19.02.8	G	2 12 „
11	32.426	21.14	78.0	41·15	78·4	.0566	.7801	19.02·9	G	3 12 „
12	31·877	21·50	77.5	40.95	78·2	.0625	.7779	19.01.0	G	4 12 „
13	32.220	21.48	77.1	41.29	78·0	.0622	.7816	19.02.6	C	5 12 „
14	32.220	21.40	77.0	41.49	77·9	.0609	.7838	19.03.7	C	6 12 „
15	32·769	21.44	76.4	41·57	77·3	·0616	.7847	19.03.9	C	7 12 „
16	33.180	21.64	77.3	41·68	77·8	.0648	.7859	19·03·9	C	8 12 „
17	33.112	22.02	78.7	41.40	78·4	.0710	.7829	19.02.0	B	9 12 „
18	32.083	22·42	80.5	41.07	79·0	.0776	.7795	18.59.8	B	10 12 „
19	31.671	22.54	82.0	40.76	80.4	.0796	·7758	18.58·1	B	11 12 „
20	31.259	22.29	83.6	40.61	82·1	.0757	.7742	18.57.9	B	Noon.
21	30.711	22.22	85.4	40.39	83·0	.0744	.7717	18.57.5	G	1 12 p. m.
22	31.191	22.19	86.0	40.41	83·5	.0738	.7720	18.57.4	G	2 12 „
23	31.740	21.94	85.5	40.44	84.0	.0708	.7723	18.57.9	G	3 12 „

DAILY OBSERVATIONS, FROM 24TH TO 26TH FEBRUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
FEB. 24TH-Noon.	32·151	22.04	85·5	40.54	84·5	8.0714	2.7734	18°58′3	G	4 12 p. m.
1	31.945	21.84	84.7	40.48	84.3	.0691	.7727	18.58.3	C	5 12 „
2	32.426	21.64	83.3	40.62	84.0	.0648	.7743	18.59.4	C	6 12 „
3	32.631	21.43	82.1	40.78	82.8	.0614	.7760	19.00.6	C	7 12 „
4	32.631	21.05	81.3	40.93	82.3	.0551	.7777	19·02.0	C	8 12 „
5	32·837	21.08	80.5	41.00	81.6	.0556	.7785	19.02.2	B	9 12 „
6	33.112	21.25	80.0	41.03	80.9	.0585	.7788	19.01.9	B	10 12 „
7	32.769	21.43	79.0	41.12	80.8	.0614	.7798	19.02.1	B	11 12 „
8	32.974	21.24	79.4	41.22	80.0	.0584	.7809	19·02.9	B	Midnight.
9	33.112	20.89	78.3	41.29	79.5	.0525	.7816	19.03.8	G	1 12 a. m.
10	32.769	21.33	78.2	41.38	79·4	.0597	.7826	19.03.3	G	2 12 „
11	32.769	21·37	79.0	41.49	79.5	.0603	.7838	19.03.8	G	3 12 „
12	33.455	21.13	78.2	41.47	79.0	.0564	.7836	19.04.2	G	4 12 „
13	33.112	21.35	77.5	41·53	78.5	.0600	.7843	19.04.0	C	5 12 „
14	32.700	21.17	76.5	41.54	78.0	.0570	.7844	19.04.4	C	6 12 „
15	32.083	21.53	77.1	41.59	78.0	.0630	.7849	19.03.8	C	7 12 „
16	33.798	21.55	78.0	41.65	78.3	.0633	.7856	19.04.1	C	8 12 „
17	33.317	21.93	79.6	41.26	78.6	.0706	.7815	19.00.5	B	9 12 „
18	32.837	22.07	81.5	40.99	79.5	.0718	.7783	19·00.0	B	10 12 „
19	31.808	22.21	82.0	40.67	80.7	.0743	.7748	18.58.5	B	11 12 „
20	30.505	22.47	84.4	40.52	82.3	.0784	.7732	18.57.3	B	Noon.
21	30.711	22.22	85.8	40.61	83.5	.0744	.7742	18.58.2	G	1 12 p. m.
22	30.711	22.16	86·7	40.44	84.0	.0733	.7723	18.57.6	G	2 12 „
23	30.848	21.79	86.5	40.44	84.8	.0683	.7723	18.58.3	G	3 12 „
FEB. 25TH-Noon.	31.397	21.29	85.8	40.65	85.0	.0592	.7746	19.00.3	G	4 12 „
1	33.180	21·20	84.8	40.70	84.5	.0577	.7752	19.00.7	C	5 12 „
2	32.974	20.97	83.1	40.85	83.4	.0538	.7768	19.01.8	C	6 12 „
3	33.386	20.88	82.1	41.24	82.9	.0538	.7811	19.03.6	C	7 12 „
4	33.523	20.55	81.4	41.36	82.1	.0469	.7824	19.04.9	C	8 12 „
5	33.180	20.17	80.8	41.50	81.6	.0406	.7840	19.06·4	B	9 12 „
6	33.455	20.24	80.2	41.68	81·1	.0420	·7859	19·06.9	B	10 12 „
7	33·317	20.50	80.0	41.75	80.9	.0461	.7867	19.06.7	B	11 12 „
8	33.455	20.75	80.3	41.97	80.5	.0502	.7891	19.07.1	B	Midnight.
9	32.837	21.36	80.1	42.11	80·2	.0602	.7907	19.06.5	G	1 12 a. m.
10	32.769	21·41	80.0	42.11	80.0	.0611	.7907	19.06.4	G	2 12 „
11	34.072	21.11	79.5	42.18	79.5	·0561	.7914	19·07.2	G	3 12 „
12	34·827	20.68	79.0	42.18	79.3	.0490	.7914	19.08.1	G	4 12 „
13	34.072	20.61	78.4	41.87	79·0	.0479	·7880	19.07.0	C	5 12 „
14	33.180	20.83	78.2	42.07	78.9	.0515	.7902	19·07.2	C	6 12 „
15	33.180	21.34	78.0	42.16	78.7	.0599	.7912	19.06.6	C	7 12 „
16	32·974	21.48	78.8	42.21	78.7	.0622	.7918	19.06.6	C	8 12 „
17	32.974	20.55	79.7	42.12	79.0	.0633	.7908	19.06·1	B	9 12 „
18	31.740	21.47	81.4	42.09	79.5	.0620	.7904	19.06.0	B	10 12 „
19	31.259	21.33	82.3	42.91	80.2	.0597	.7995	19.09.9	B	11 12 „
20	31.877	21.35	84.0	42.69	82.0	.0600	.7970	19.08.9	B	Noon.
21	32.288	21.50	86.1	42·91	83.5	.0625	.7995	19.09.5	G	1 12 p. m.
22	32.288	21.16	86.7	42.88	84.3	.0569	.7991	19.10.1	G	2 12 „
23	33.455	20.82	86.5	42.92	84.5	.0513	.7998	19.11.2	G	3 12 „
FEB. 26TH-Noon.	33.523	20.54	85.8	43.95	85.0	.0468	.8109	19.16·0	G	4 12 „
1	34.278	20.46	85.3	44.05	84.9	.0455	.8120	19.16.6	C	5 12 „
2	33.866	20.61	84.2	44.08	84.2	.0479	.8123	19.16.5	C	6 12 „
3	33.455	20.51	83.4	44.21	83.6	.0463	.8138	19.17.3	C	7 12 „
4	33.455	20.97	82.6	44.35	83.3	.0538	.8153	19.16·9	C	8 12 „
5	32.974	21.00	82.5	44.23	82.6	.0543	·8140	19.16.4	B	9 12 „
6	33.455	20.80	82.2	44.57	82.4	.0510	·8177	19.18.2	B	10 12 „
7	33.660	20.74	81.5	44.90	81.7	.0501	.8214	19.19.7	B	11 12 „
8	33.386	21·12	81.2	44.88	81.4	.0562	·8211	19·18.8	B	Midnight.
9	33.369	21·04	80.8	44.93	81.0	.0550	.8217	19.19.2	G	1 12 a. m.
10	32.769	20.97	80.4	44.94	80.7	.0538	.8218	19.19.4	G	2 12 „
11	32.906	20.95	80.0	45.02	80.5	.0535	.8227	19.19.8	G	3 12 „

DAILY OBSERVATIONS, FROM 26TH TO 28TH FEBRUARY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
FEB. 26TH—12	32°769	20.87	79°3	45.00	80°0	8.0521	2.8225	19°19'9	G	4 12 a. m
13	31.465	21.23	78·9	44.99	79.5	.0582	.8223	19.19.1	C	5 12 „
14	32.914	21.24	78·1	45.02	79·0	.0584	.8227	19.19.3	C	6 12 „
15	32.631	21.16	77.4	45.06	78·5	.0569	.8231	19.19.5	C	7 12 „
16	32.769	21.45	79.0	45.21	78.8	.0617	.8248	19.19.5	C	8 12 „
17	33.523	21.79	80.5	45.23	79.4	.0683	.8250	19.18.9	B	9 12 „
18	33.180	21.93	82.2	44.79	80.3	.0706	.8201	19.16.5	B	10 12 „
19	32.700	22.11	83.1	44.71	81.4	.0725	.8193	19.15.9	B	11 12 „
20	31.328	22.19	85.1	44.39	83·0	.0738	.8157	19.14.5	B	Noon.
21	31.191	22.12	86.5	44.42	84.0	.0726	.8161	19.14.6	G	1 12 a. m.
22	31.397	21.77	86.1	44.64	84.5	.0679	.8185	19.16.3	G	2 12 „
23	32.151	21.60	86.0	44·67	85.0	.0641	.8188	19.16.9	G	3 12 „
FEB. 27TH-Noon.	32.700	21.92	86.0	44.67	85.5	.0704	.8188	19.16.1	G	4 12 „
1	32.563	21.86	85.8	44.60	85.4	.0694	.8181	19.15.9	C	5 12 „
2	32.563	21.64	85.1	44.65	85.1	.0648	.8186	19.16.6	C	6 12 „
3	32.563	21.46	84.2	44.44	84.6	.0619	.8163	19.16.1	C	7 12 „
4	32.426	21.34	84.0	44.36	83.7	.0599	.8154	19.16.1	C	8 12 „
5	32.426	21.26	83.6	44.54	83.0	.0587	.8174	19.16.9	B	9 12 „
6	32.494	21.32	83.0	44.53	82.5	.0595	.8173	19.16.8	B	10 12 „
7	32.700	21.29	82.1	44.77	82.3	.0592	.8199	19.17.9	B	11 12 „
8	32.426	21.31	81.6	44.90	81.6	.0594	.8214	19.18.6	B	Midnight.
9	32.700	21.33	81.0	44.94	81·4	.0597	.8218	19.18.6	G	1 12 a. m.
10	32.769	21.09	80.5	45.03	81.0	.0558	.8228	19.19.5	G	2 12 „
11	32.180	21.28	79.8	45.05	81.0	.0590	.8230	19.19.2	C	3 12 „
12	32.592	21.26	79.9	45.14	80.5	.0587	.8240	19.19.6	C	4 12 „
13	32.455	21.26	79.9	45.24	80.1	.0587	.8251	19.20.0	B	5 12 „
14	33.317	21.11	79.4	45.32	79.6	.0561	.8260	19.20.7	B	6 12 „
15	33.455	21.07	78.7	45.20	79.3	.0554	.8247	19.20.4	G	7 12 „
16	33.798	21.28	78.5	45.23	79.3	.0590	.8250	19.20.0	G	8 12 „
17	24.415	21.69	80.2	45.14	79.6	.0656	.8240	19.18.7	C	9 12 „
18	33.660	21.98	81.8	44.91	80.3	.0708	.8215	19.17.1	C	10 12 „
19	32.357	22.30	83.4	44·54	81.5	.0755	.8174	19.14.7	B	11 12 „
20	31.877	22.36	84.5	44.43	82.5	.0766	.8162	19.14.1	B	Noon.
21	31.397	22.48	85.5	44.31	83.5	.0786	.8149	19.13.4	G	1 12 p. m.
22	32.769	22.35	86.5	44.43	84.2	.0749	.8162	19.14.3	G	2 12 „
23	33.180	22.18	87.0	44.26	85.4	.0736	.8143	19.13.9	C	3 12 „
FEB. 28TH-Noon.	33.112	21.92	86.8	44.21	85.4	.0704	.8138	19.13.2	C	4 12 „
1	33.043	21.70	85.5	44.24	85.4	.0668	.8141	19.14.7	B	5 12 „
2	32.494	21.53	84.2	44.46	84.5	.0630	.8165	19.16.1	B	6 12 „
3	32.494	21.38	83.7	44.48	84.0	.0605	.8167	19.16.5	G	7 12 „
4	33.455	21.27	83.0	44.59	83.5	.0588	.8179	19.17.1	G	8 12 „
5	32.565	21.15	82.2	44.60	83.3	.0567	.8181	19.17.5	C	9 12 „
6	32.494	21.15	81.6	44.49	83.0	.0567	.8168	19.17.0	C	10 12 „
7	33.112	21.42	81.6	44.60	82.5	.0612	.8181	19.17.0	B	11 12 „
8	32.906	21.23	82.1	44.73	82.2	.0582	.8195	19.18.0	B	Midnight.
9	32.180	21.06	82.0	44.76	82.0	.0553	.8198	19.18.4	G	12 a. m.
10	32.906	21.23	81.5	44.65	81.8	.0582	.8186	19.17.6	G	2 12 „
11	32.769	21.30	81.4	44.55	81.6	.0592	.8175	19.17.0	G	3 12 „
12	32.769	21.28	81.3	44.65	81.5	.0590	.8186	19.17.4	G	4 12 „
13	33.386	21.28	80.7	44.73	81.1	.0594	.8195	19.17.8	C	5 12 „
14	33.455	21.31	80.1	44.82	80.7	.0592	.8205	19.18.2	C	6 12 „
15	33.660	21.30	79.7	44.91	80.2	.0671	.8215	19.18.6	C	7 12 „
16	34.484	21.72	80.4	45.12	80.5	.0744	.8238	19.18.5	C	8 12 „
17	33.592	22.22	81.8	44.87	80.6	.0799	.8210	19.16.5	B	9 12 „
18	33.112	22.56	83.4	44.80	81.4	.0812	.8203	19.15.4	B	10 12 „
19	32.769	22.64	84.4	44.52	82.2	.0815	.8172	19.14.0	B	11 12 „
20	32.220	22.66	85.0	44.49	83.1	.0789	.8168	19.13.7	B	Noon.
21	32.426	22.50	85.5	44.61	83.5	.0754	.8182	19.14.6	G	1 12 p. m.
22	32.426	22.28	85.7	44.63	84.3	.0708	.8184	19.15.2	G	2 12 „
23	33.043	21.94	85.5	44.61	85.0	.0560	.8188	19.16.0	G	3 12 „

DAILY OBSERVATIONS, FROM 2ND TO 4TH MARCH 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Mar. 2nd-Noon.	32·426	21.43	83·2	43.57	84·0	8.0614	2.7752	19°00'3	G	4 12 p. m.
1	32.769	21.30	82.5	43.63	83.5	.0592	.7758	19.00.8	G	5 12 „
2	32.906	21·04	81.7	43.89	83.0	.0550	.7787	19.02.4	G	6 12 „
3	32·837	21.28	81.0	44.14	82.2	.0590	.7814	19.02.9	G	7 12 „
4	32.769	21.23	81.0	44.34	81.8	.0582	.7836	19.04.0	G	8 12 „
5	32.426	21.19	80.5	44.38	81.5	·0574	.7841	19.04.3	C	9 12 „
6	32.906	21.17	80.1	44.44	81.2	.0570	.7847	19.04.6	C	10 12 „
7	33.180	21.18	79.6	50.72	80.7	.0572	.7709	18.59.1	C	11 12 „
8	33.455	21.22	79.3	51.16	80.3	.0580	.7757	19.01.0	C	Midnight.
9	33.729	21.25	79.3	51.05	80.0	.0585	.7745	19.00.3	N	1 12 a. m.
10	33.523	21.31	79.2	51.20	79.9	.0594	.7762	19.00.8	N	2 12 „
11	33.249	21.37	79.2	51.25	79·9	.0603	.7767	19.01.0	N	3 12 „
12	32.749	21·52	79.0	51.19	79.8	.0628	.7760	19.00.3	N	4 12 „
13	33.798	21.33	78.8	51.22	79.2	·0597	.7775	19·01.3	G	5 12 „
14	35·798	21.43	78.8	51.39	79.0	.0614	.7793	19.01.9	G	6 12 „
15	33·455	21.53	78.8	51.27	79.0	.0630	.7769	19.00.6	G	7 12 „
16	35.170	21.86	79·5	51.27	79.5	.0694	.7769	18.59·8	G	8 12 „
17	34.827	22.25	80.0	51.30	80·0	.0749	.7773	18.59.2	C	9 12 „
18	33.660	22.58	80.5	51.36	80.4	.0802	.7779	18.58.8	C	10 12 „
19	32.769	22.57	81.2	50.82	80.5	.0784	.7720	18.56.9	C	11 12 „
20	32·288	22.32	81.4	50.85	81.0	.0744	.7723	18.57·5	C	Noon.
21	31.397	22·37	81.7	50.78	81.0	.0752	.7715	18.57.0	N	1 12 p. m.
22	31.877	22.29	81.9	51·00	81.0	.0738	.7740	18.58.2	N	2 12 „
23	33.249	21.98	81.8	51.04	81.3	.0714	.7744	18.58.7	N	3 12 „
Mar. 3rd-Noon.	33.660	21.82	81.5	51.83	81.5	.0687	.7831	19.02.3	N	4 12 „
1	32.906	21.59	80.5	51·85	81·0	.0640	.7833	19.03.1	G	5 12 „
2	32.837	21.51	79.5	51.84	79.5	.0627	.7832	19.03.1	G	6 12 „
3	32·769	21.53	78.5	52.08	79·4	.0630	.7858	19.04.2	G	7 12 „
4	33.455	21.26	78.4	51.97	79.0	.0587	.7846	19.04.2	G	8 12 „
5	34.141	21.21	78.0	51.76	78.8	.0579	.7823	19.03.5	C	9 12 „
6	33.249	21.00	77.8	51.66	78.5	.0543	.7812	19.03.5	C	10 12 „
7	33.249	21.02	77.7	51.85	78.4	.0546	.7833	19.03.2	C	11 12 „
8	32.974	21·10	77.5	51.95	78.4	.0559	.7844	19·03.5	C	Midnight.
9	32.769	21.33	77.4	51.99	78·0	.0597	.7848	19.04.2	B	1 12 a. m.
10	33.112	21·38	77.1	52·03	77.6	.0605	.7853	19.04.3	B	2 12 „
11	33.317	21.34	76.6	51·98	77.4	.0599	.7847	19.04.2	B	3 12 „
12	32.631	21.39	76.3	51.96	76.9	.0607	·7845	19.04.0	B	4 12 „
13	33.249	21.42	76.2	51.91	76.9	.0612	.7840	19.03.8	B	5 12 „
14	33.455	21·43	76.0	52.15	76.5	.0614	.7866	19.04.7	G	6 12 „
15	34.141	21.44	75.5	52.22	76.0	.0616	.7874	19·04.8	G	7 12 „
16	34.827	21.86	75.8	52.29	76.3	.0694	.7881	19.04.2	G	8 12 „
17	35.238	22.27	76.6	52.37	77.2	.0752	.7890	19.03.8	C	9 12 „
18	35.170	22·55	77.5	52.02	77.4	.0797	·7852	19.01.7	C	10 12 „
19	34.758	22.58	78.6	51.74	77·9	.0802	.7821	19.00.5	C	11 12 „
20	34.621	22.64	79.4	51.45	78.4	.0812	.7789	18.59.1	C	Noon.
21	33·866	22.52	79.5	50.96	78.6	.0792	.7735	18.57.3	B	1 12 p. m.
22	34.346	22.54	79.6	51·02	78.9	.0796	.7742	18.57.4	B	2 12 „
23	34·827	22.07	79·6	51.09	79.5	.0718	.7749	18.58.7	B	3 12 „
Mar. 4th-Noon.	35.032	21.86	79.4	50.84	79.5	.0694	.7722	18.58.0	B	4 12 „
1	34.415	21.65	78.9	50.77	79.0	.0649	.7714	18.58.2	G	5 12 „
2	33.523	21.50	77.8	50.96	78.5	.0625	.7735	18.59.4	G	6 12 „
3	34.072	21·31	77.0	51.14	78.0	·0594	.7755	19.00.7	G	7 12 „
4	34.141	21.02	76·5	51.43	77.5	·0546	.7747	19.02.4	G	8 12 „
5	34.689	20.88	76.3	51.52	77.3	.0523	.7797	19.03.2	C	9 12 „
6	34.827	20·82	76.2	51.57	77.2	.0513	·7802	19.03.5	C	10 12 „
7	34.689	20.77	76.2	51.59	77.2	·0505	.7804	19.03.6	C	11 12 „
8	34·278	20.80	76.1	51.61	77.1	·0510	.7807	19.03.8	C	Midnight.
9	34.346	20·93	76.0	51.90	76.5	·0532	.7839	19.04.7	B	1 12 a. m
10	34.141	21.06	75.6	51.69	76.4	.0553	.7815	19.03.5	B	2 12 „
11	33.935	21.21	75.6	51.64	76.4	.0579	.7810	19.03.0	B	3 12 „

2nd March 1863, Verticle Force Magnetometer readjusted at 7 h. G. M. T.

DAILY OBSERVATIONS, FROM 4TH TO 8TH MARCH 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.								°		h. m.
Mar. 4th—12	34·346	21.27	75·4	51.67	75·8	8.0588	2.7813	19°02,9	B	4 12 a. m.
13	33.592	21.10	75.0	51.70	75.1	·0559	.7817	19.03·5	G	5 12 „
14	33.455	21.15	75.0	51.85	75.0	.0567	.7833	19.04.0	G	6 12 „
15	34·072	21.30	75.0	51.84	74.8	.0592	.7832	19.03.6	G	7 12 „
16	35·170	21.69	75.5	51.85	75.0	.0656	.7833	19.02.8	G	8 12 „
17	35.718	22·02	76.6	51.67	75·7	.0710	.7813	19.01.4	C	9 12 „
18	34.827	22.14	78.0	51.30	76·8	.0730	.7773	18.59.5	C	10 12 „
19	33.592	22.36	79.0	51.03	77.7	.0766	.7743	18.57.9	C	11 12 „
20	32·631	22.61	79.8	50.76	78.6	.0807	.7713	18·56.2	C	Noon.
21	32.837	21·96	80.6	50.74	79·2	.0710	.7711	18.57.4	B	1 12 p. m.
22	33.935	21.23	81.0	50·94	79.8	.0584	.7733	19.00.0	B	2 12 „
23	34.346	20.72	81.5	51.02	80.5	.0497	.7742	19.01·3	B	3 12 „
Mar. 6th-Noon.	35.307	21.32	83.9	50.62	84.0	.0595	.7698	18.58.3	C	4 12 „
1	34.415	21.41	83.1	50.56	83.5	.0611	.7691	18.57.9	C	5 12 „
2	34.141	21.33	82.1	50.53	83.0	.0582	.7688	18.58.2	G	6 12 „
3	35.307	20.92	81.5	50.74	82.5	.0530	.7711	18.59.7	G	7 12 „
4	34.631	21.13	81.0	51.06	82.0	.0564	.7746	19.00.8	G	8 12 „
5	34.141	21.17	80.6	51.05	81·5	.0570	.7745	19.00.6	C	9 12 „
6	34.141	21.12	80.2	50.93	81.0	.0562	·7732	19.00.1	C	10 12 „
7	33.935	21·37	80.1	50·97	80.7	.0603	.7736	18.59.8	C	11 12 „
8	34.072	21·38	79.9	50.97	80·5	.0605	.7736	18.59.7	C	Midnight.
9	34.141	21.21	79.5	51.00	80.1	.0579	.7740	19.00·3	B	1 12 a. m.
10	33.798	21.30	79.4	51.10	80·0	.0592	.7751	19.00.5	B	2 12 „
11	33.523	21.47	79.3	51.14	79.7	.0620	.7755	19.00.3	B	3 12 „
12	33.660	21.35	79.1	51.19	79.5	.0600	.7760	19.00.7	B	4 12 „
13	33.455	21.54	79.0	51.23	79.3	.0632	.7765	19.10.5	G	5 12 „
14	33.455	21.58	78.5	51.32	79.3	·0638	.7775	19.00.8	G	6 12 „
15	34·141	21.57	78.5	51.64	78.7	.0636	.7810	19·02.2	G	7 12 „
16	34.827	22.06	79·5	51·67	79.1	.0717	.7813	19.01.2	G	8 12 „
17	35.101	22.40	79.9	51.75	80.0	.0773	.7822	19.00.9	C	9 12 „
18	34.072	22.82	81.8	51.53	81.0	.0841	.7798	18.59.1	C	10 12 „
19	32.769	22.59	82·6	50.85	81.5	.0804	.7723	18.56.7	C	11 12 „
20	32.357	22.29	83.3	50.76	82·1	.0756	.7713	18.56.8	C	Noon.
21	32.246	22.10	84.4	50.65	82.9	.0723	.7701	18.56.8	B	1 12 p. m.
22	32.494	21.36	84.5	50·75	83.4	.0602	.7712	18.58.8	B	2 12 „
23	32.837	21.39	84·7	50·67	84.0	.0607	.7703	18.58.4	B	3 12 „
Mar. 8th-Noon.	33.729	21.78	85.7	50.18	86.0	.0681	.7649	18.55.4	G	4 12 „
1	33.455	21·74	85.5	50.29	86.0	.0675	.7661	18.55.8	G	5 12 „
2	33.455	21.60	84.7	50.50	85.0	.0641	.7685	18.57.3	G	6 12 „
3	34·072	21.46	83.6	50.53	83.8	.0619	.7688	18·57.6	G	7 12 „
4	34.072	21.39	83.2	50.76	83.5	.0607	.7702	18.58.3	G	8 12 „
5	33.798	21·39	83.0	50.85	83.3	.0607	.7723	18.59.2	C	9 12 „
6	34.003	21.35	82.7	50.94	83.0	.0600	.7733	18.59.7	C	10 12 „
7	34.209	21.52	82.2	51.03	82.8	.0628	.7743	18·59.7	C	11 12 „
8	34.141	21.48	81.7	51.07	82.4	.0622	.7747	19.00.0	C	Midnight.
9	34.141	21.39	82.0	51.11	81.9	.0607	.7752	19·00.3	B	1 12 a. m.
10	34.141	21.46	82.0	51.15	81.6	.0619	.7756	19·00.3	B	2 12 „
11	34·141	21.38	81.6	51.15	81.6	.0605	.7756	19·00.5	B	3 12 „
12	33.935	21.48	81.4	51.25	81.5	.0622	.7767	19·00.7	B	4 12 „
13	33.523	21·57	81.2	51.33	81·5	.0636	.7776	19.00.8	G	5 12 „
14	33.455	21.58	81.0	51.23	81.5	.0638	.7765	19.00·4	G	6 12 „
15	33.592	21.68	81.0	51.29	81·2	.0654	.7771	19.00.4	G	7 12 „
16	34.484	22.07	81.5	51.34	81.2	.0718	.7777	18·59.8	G	8 12 „
17	34·965	22.51	82.3	51.45	81.5	.0791	.7789	18·59.3	C	9 12 „
18	34.827	22.89	83.0	51.11	82.0	.0853	.7752	18.57.1	C	10 12 „
19	33.455	23.20	84.0	50.78	82.7	.0905	.7715	18·55.0	C	11 12 „
20	33.386	22.96	84.5	50.60	83.3	·0865	.7696	18·54·7	C	Noon.
21	33.249	22.56	85.1	50.76	83.6	.0799	.7713	18·56·3	B	1 12 p. m.
22	34.141	22.14	85.5	50.79	84.6	.0730	.7716	18·57.3	B	2 12 „
23	35·032	22.05	85.7	50.86	85.2	.0715	.7724	18·57.7	B	3 12 „

DAILY OBSERVATIONS, FROM 9TH TO 11TH MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAR. 9TH-Noon	35'101	21.79	86·0	50.47	85·6	8.0683	2.7681	18°56'6	B	4 12 p. m.
1	34.072	21.70	85.5	50.41	85.5	.0668	.7675	18·56.5	G	5 12 "
2	34.141	21.66	84.7	50.45	85.0	.0651	.7679	18.56.8	G	6 12 "
3	33.729	21.39	83.5	50.63	84.2	.0607	.7699	18.58.2	G	7 12 "
4	33.866	21.28	83.2	50.69	83.5	.0590	.7705	18.58.7	G	8 12 "
5	33.798	21.36	83.0	50.80	83.4	.0602	.7718	18.59.1	C	9 12 "
6	33.592	21.35	82.6	50.90	83.3	.0600	.7729	18.59.5	C	10 12 "
7	33.729	21.43	82.2	50.93	83.1	.0614	.7738	18.59.8	C	11 12 "
8	33·935	21.46	82.0	50.99	83.0	.0619	.7738	18.59.6	C	Midnight.
9	34.003	21.38	81.5	51·03	82·5	.0605	.7743	19.00.0	B	1 12 a. m.
10	33.935	21.47	81.5	51.02	82.2	.0620	.7742	18.59.7	B	2 12 "
11	33.729	21.47	81.5	51.06	82.0	.0620	.7746	18.59.9	B	3 12 "
12	33·592	21.51	81·5	51.05	81.6	.0627	.7745	18.59.8	B	4 12 "
13	33.729	21.46	81.1	51.05	81.5	.0619	.7745	18.59.9	G	5 12 "
14	33.592	21.43	81.0	51.15	81.5	.0614	.7756	19.00.5	G	6 12 "
15	34.621	21.33	81.0	51.18	81.2	.0597	.7759	19.00.7	G	7 12 "
16	35.375	21.72	81.5	51.18	81.2	.0671	.7759	18.59.8	G	8 12 "
17	34.327	22.15	82.5	51.06	82·0	.0731	.7746	18.58.5	C	9 12 "
18	33.798	22·49	83.3	50·68	82.5	.0788	.7704	18.56.0	C	10 12 "
19	33.249	22.72	84.0	50.49	83.1	.0825	.7683	18.54·7	C	11 12 "
20	33.112	22.61	84.8	50.51	83.8	.0507	.7686	18.55.1	C	Noon.
21	33.249	22.14	85.1	50.87	83·9	.0730	.7725	18.57.7	B	1 12 p. m.
22	34.141	21.71	84.9	50.98	84.4	.0670	.7737	18.59.0	B	2 12 "
23	34.415	21.38	84.5	50.98	84.4	·0605	.7737	18.59.8	B	3 12 "
MAR. 10TH-Noon.	35.170	21.75	84.1	50·79	84.5	.0567	.7716	18.59.4	B	4 12 "
1	34.415	20.88	83.5	50.63	84.5	.0523	.7699	18.59.3	G	5 12 "
2	34.072	20.89	83.0	50.62	84.0	.0525	.7698	18.59.2	G	6 12 "
3	34.209	21.02	82.5	50.68	83·2	.0546	.7704	18.59.1	G	7 12 "
4	34.141	21.26	82.0	50.73	83.0	.0587	.7710	18.58.9	G	8 12 "
5	33.935	21.29	81.6	50.83	82.8	.0592	.7721	18.59.3	C	9 12 "
6	33.935	21.28	80.7	50.87	82.4	.0590	.7725	18.59.5	C	10 12 "
7	33.935	21·25	80.3	50.91	82.1	.0585	.7730	18.59.7	C	11 12 "
8	34.072	21.25	80.1	51.05	81.7	.0585	.7745	19.00.3	C	Midnight.
9	33.935	21.30	80.0	51.03	81.0	.0592	.7743	18.00?2	B	1 12 a. m.
10	33.935	21.41	79.5	51.02	80.6	.0611	.7742	18.59.9	B	2 12 "
11	33.798	21.36	79.5	51·02	80.5	.0602	.7742	19.00.0	B	3 12 "
12	33.660	21.45	79.3	51.11	80.2	.0617	.7752	19.00.1	B	4 12 "
13	33.729	21.52	79.0	51.14	80.0	.0628	.7755	19.00.2	G	5 12 "
14	33.798	21.53	78.5	51.29	79.5	.0630	.7771	19.00.7	G	6 12 "
15	34.415	21·50	78.7	51.38	79.5	.0625	.7781	19.01.1	G	7 12 "
16	34.827	21.80	78.9	51.39	79.6	.0684	.7782	19.00.5	G	8 12 "
17	34.895	22.25	79.7	51.10	80.0	.0749	.7751	18.58.4	C	9 12 "
18	34.758	22.50	80.3	51.04	80.4	.0789	.7744	18.57.6	C	10 12 "
19	34.552	22.65	81.0	50.82	80.8	.0813	.7720	18.56.5	C	11 12 "
20	34.415	22.62	81.1	50.73	81.0	.0808	.7710	18.56.1	C	Noon.
21	35.101	21·90	81.2	50.98	81.1	.0701	.7737	18.58.6	B	1 12 p. m.
22	35.924	21.70	81.2	51.05	81.5	·0668	.7745	18.59.3	B	2 12 "
23	36.130	21.51	81.3	50.80	81.6	.0627	.7788	18.58.7	B	3 12 "
MAR. 11TH-Noon.	34.484	21·46	81.2	50.60	81.6	.0619	.7696	18.57.9	B	4 12 "
1	34.072	21.34	80.3	50.75	81.5	.0599	.7712	18.58.8	G	5 12 "
2	33.660	21.38	79.6	50.84	80.5	.0605	.7722	18.59.1	G	6 12 "
3	33.660	21.38	78.5	51.00	80.0	.0605	.7740	18.59.9	G	7 12 "
4	33.866	21.23	78.0	51.18	79.4	.0582	.7759	19.01.0	G	8 12 "
5	33.798	21.32	77.6	51.38	79.2	.0595	.7781	19.01.5	C	9 12 "
6	33.592	21·38	77.4	51.51	78.8	.0605	.7796	19.02.0	C	10 12 "
7	33.455	21·27	77·1	51.56	78.7	.0588	.7801	19.02.4	C	11 12 "
8	34.072	21.33	77·0	51.61	78.6	.0597	.7807	19.02.6	C	Midnight.
9	33.798	21.46	77.0	51.64	77.8	.0619	.7814	19.02.5	B	1 12 a. m.
10	33.729	21.38	76.9	51.68	77.5	.0605	.7814	19.02.7	B	2 12 "
11	33.386	21.59	76.6	51.66	77.4	.0630	.7812	19.02.3	B	3 12 "

DAILY OBSERVATIONS, FROM 11TH TO 13TH MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAR. 11TH—12	33.729	21.59	76·6	51.77	77·3	8.0630	2.7824	19.02·8	B	4 12 a. m.
13	33·660	21 43	76.0	51.63	77.5	.0614	.7809	19.02.5	G	5 12 „
14	33.729	21.29	75.5	51.81	77.0	.0607	.7829	19·03.3	G	6 12 „
15	33.798	21.62	76·0	51.92	77.2	.0644	.7841	19.03.4	G	7 12 „
16	34.072	22.04	77.2	51.72	77.2	·0714	.7819	19·01.6	G	8 12 „
17	33.798	22.29	78.0	51·41	77.6	.0756	.7787	18.59.7	C	9 12 „
18	33.043	22 55	79.0	51.09	78·0	.0797	.7749	18·57.7	C	10 12 „
19	32.837	22.85	79.6	50.96	78.6	.0846	.7735	18.56.5	C	11 12 „
20	32.769	22.77	80.1	50.97	79.1	.0833	.7736	18.56.8	C	Noon.
21	33.112	22.50	80·3	50.94	79.6	.0789	.7733	18.57.2	B	1 12 p.m.
22	33.935	22.35	80·2	50.90	80.0	.0764	.7729	18.57.4	B	2 12 „
23	34.552	22.15	80·4	50.86	80.3	.0731	.7724	18.57.6	B	3 12 „
MAR. 12TH-Noon.	33.798	21.98	80.0	50·76	80.4	.0714	.7713	18.57·5	B	4 12 „
1	33.866	21.77	79·0	50.80	80.0	.0679	.7718	18.58.1	G	5 12 „
2	33.798	21.61	78.1	50.92	79.2	.0643	·7731	18·59.1	G	6 12 „
3	33.523	21.50	77.5	51.16	78·5	.0625	.7757	19·00·3	G	7 12 „
4	34.072	21.36	77.0	51.45	78.2	.0602	.7789	19.01·8	G	8 12 „
5	34.141	21.49	76.9	51.49	78.1	.0624	·7793	19.01.7	C	9 12 „
6	33.249	21.24	76.6	51.48	77.7	.0584	.7792	19.02·2	C	10 12 „
7	33.935	21.25	76.4	51.62	77.4	·0585	.7808	19·02.7	C	11 12 „
8	33.798	21.28	76.3	51·67	77.3	·0599	.7813	19.02.9	C	Midnight.
9	33.798	21.39	76.1	51.68	76.8	.0607	.7814	19.02.7	B	1 12 „
10	33.729	21.35	76.1	51.75	76.6	.0600	.7822	19.03·1	B	2 12 „
11	33.660	21.24	75.5	51.79	76.2	.0584	.7826	19.03.6	B	3 12 „
12	33.660	21.32	75.4	51.82	75.6	.0595	.7830	19.03·5	B	4 12 „
13	33.798	21.31	74.8	51.85	75.1	.0594	.7833	19.03.7	G	5 12 „
14	34.415	21.21	74.5	51.95	75.0	·0579	.7844	19.04·3	G	6 12 „
15	34.209	21·46	74.5	51.85	75.0	·0619	·7833	19.03·3	G	7 12 „
16	33.798	22.04	75.5	51.71	75.6	.0714	.7818	19.01.6	G	8 12 „
17	33.386	22.23	76.3	51.78	75.9	.0746	.7825	19.01 3	C	9 12 „
18	32.700	22.50	77.8	51.90	76.8	.0791	.7839	19.01.3	C	10 12 „
19	32.220	22.70	78.8	51.73	77.8	.0822	.7820	19.00.2	C	11 12 „
20	32.014	22·60	79.5	51.45	78.4	.0807	.7789	19.00.5	C	Noon.
21	32.083	22.53	79.8	50.96	78.6	.0794	·7735	18.57.3	B	1 12 p.m.
22	32.700	22.38	80.3	50.83	79.2	.0769	.7721	18.57.0	B	2 12 „
23	33.455	22.20	80·5	50.74	79.7	.0741	.7711	18.57.0	B	3 12 „
MAR. 13TH-Noon.	33.866	21·93	80.3	50.71	80.3	.0706	.7708	18.57.3	B	4 12 „
1	34.209	21.45	80.0	50·80	80.1	.0617	.7713	18.58.8	G	5 12 „
2	33.866	21.37	79·0	50.87	79·7	.0603	·7725	18.59.4	G	6 12 „
3	34.072	21.42	78.7	50.89	79.5	.0612	.7727	18.59.4	G	7 12 „
4	33.523	21.43	78·5	51.07	79.0	·0614	.7747	19·00.2	G	8 12 „
5	33.798	21·30	78.4	51.12	78·9	.0592	.7753	19.00.6	C	9 13 „
6	33.660	21.53	78·3	51.21	78.7	.0632	.7763	19.00.4	C	10 12 „
7	33.798	21.46	78.1	51.26	78·5	.0619	.7763	19.00.7	C	11 12 „
8	33.866	21·46	77·7	51.30	78.2	.0619	.7773	19.00.9	C	Midnight.
9	33.935	21.46	77.3	51.38	77.5	.0619	.7781	19.01.2	B	1 12 „
10	33·935	21.45	77.2	51.45	77.5	.0619	.7789	19.01.5	B	2 12 „
11	33·866	21·46	77.0	51.47	77.3	.0619	.7791	19.01.6	B	3 12 „
12	33.729	21.39	76.6	51.56	76.9	.0607	.7801	19.02.2	B	4 12 „
13	34·798	21·33	76·0	51.70	76.5	.0597	.7817	19.03.0	G	5 12 „
14	34.415	21.39	75.5	51.74	76.2	.0607	.7821	19.03.0	G	6 12 „
15	34.621	21.70	75.6	51.78	76.0	.0668	.7825	19.02.4	G	7 12 „
16	34·827	22.08	76.0	51.72	76.0	.0720	.7819	19.01.4	G	8 12 „
17	34.278	22.55	77.2	51.45	76.6	.0797	.7789	18·59.2	C	9 12 „
18	33.523	22.78	78.5	51.07	77.4	.0835	·7747	18.57.2	C	10 12 „
19	33·180	22·98	79.9	50.90	78.4	.0868	.7729	18.56.0	C	11 12 „
20	32.769	22.95	80.6	50.73	79.2	.0863	.7710	18·55·4	C	Noon.
21	32·220	22.52	81.4	50.82	80.1	·0792	.7720	18.56.0	B	1 12 p.m.
22	33.112	22.27	81.9	50.88	81.0	.0752	.7726	18.57·4	B	2 12 „
23	33.798	22.21	82.1	50.65	81.5	.0743	.7701	18.56.6	B	3 12 „

DAILY OBSERVATIONS, FROM 15TH TO 17TH MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAR. 15TH-Noon.	34'827	21.98	81°6	50.30	81°8	8.0714	2.7 63	18°55'5	B	4 12 p.m.
1	34.209	21.88	81.3	50.23	81.8	.0697	.7655	18.55.4	B	5 12 ,,
2	33.523	21.79	80.5	50.55	81.6	.0683	.7690	18.57.0	G	6 12 ,,
3	33.455	21.72	80 1	50.55	81·0	.0691	.7690	18.57.1	G	7 12 ,,
4	33·592	21.71	80.0	50.72	80·8	.0670	.7709	18.57.8	G	8 12 ,,
5	33.592	21.68	79.9	50.62	80.6	.0654	.7698	18.57.6	C	9 12 ,,
6	33.798	21.69	79.8	50.51	80.4	.0656	.7685	18.57.0	C	10 12 ,,
7	33.523	21.78	79.7	50.71	80.3	.0681	.7708	18.57.7	C	11 12 ,,
8	33.523	21·79	79.4	50.90	80·0	.0683	.7729	18.58.5	C	Midnight.
9	33.729	21.75	79.1	50.94	79·5	.0676	.7733	18.58.7	B	1 12 a. m.
10	33·592	21.75	78.6	50.97	79.1	.0676	.7736	18·58.8	B	2 12 ,,
11	33.249	21.71	78.6	50.96	78.7	.0670	.7735	18.58.9	B	3 12 ,,
12	33.180	21.68	78.1	50.81	78.5	.0654	.7719	18.58.4	B	4 12 ,,
13	33.386	21.69	78.0	50.85	78.2	.0652	·7723	18.58.6	G	5 12 ,,
14	33.455	21.65	77.5	50.94	78.0	.0649	.7733	18.59.0	G	6 12 ,,
15	34.415	21·71	77.0	50.94	78.0	.0670	.7733	18.58.8	G	7 12 ,,
16	34.552	22.26	78.4	50.91	78.2	.0741	.7730	18.57·8	G	8 12 ,,
17	34.278	22.51	79.1	50.68	79.1	.0791	.7704	18.56.0	C	9 12 ,,
18	33.798	22.79	80.2	50.50	80.0	.0837	.7685	18.54.7	C	10 12 ,,
19	32.769	22.97	81.0	50.31	80.2	.0866	.7664	18.53.4	C	11 12 ,,
20	32.151	23.00	82.1	50.32	81.3	.0871	.7665	18.53.4	C	Noon.
21	32.769	22.77	82.9	50.31	82.0	.0833	.7664	18.53.9	B	1 12 p. m.
22	34.003	22.52	83.4	50.33	82.6	.0792	.7666	18.54.5	B	2 12 ,,
23	34.689	22.34	83.5	50.25	83·2	.0763	.7657	18.54.7	B	3 12 ,,
MAR. 16TH-Noon.	34 964	22.17	83.5	50.11	83.5	.0734	.7642	18.54.4	B	4 12 ,,
1	34 484	22.09	83.0	49.91	83.5	.0722	.7620	18.53.7	G	5 12 ,,
2	33 455	21.93	82·1	49.89	83.0	.0706	.7617	18.53.8	G	6 12 ,,
3	33 729	21.95	81.7	50.02	82·8	.0709	.7632	18.54.3	G	7 12 ,,
4	33.729	21.95	81.5	50.07	82.3	.0709	.7637	18.54.6	G	8 12 ,,
5	33.660	21.85	81.3	50.16	82.1	.0692	.7647	18.55.2	C	9 12 ,,
6	33·523	21.92	81.2	50.09	81.7	.0704	.7639	18.54.7	C	10 12 ,,
7	33.592	21.93	81.0	50.18	81.4	.0706	.7649	18.55.0	C	11 12 ,,
8	33.592	21.95	80·5	50·23	81.1	.0709	.7655	18.55.3	C	Midnight.
9	33.455	21.95	80.3	50.40	80.5	.0709	.7674	18.55.9	B	1 12 a. m.
10	33.660	21.85	80.0	50·29	80.3	.0692	.7661	18.55.6	B	2 12 ,,
11	33.660	21.83	79.6	50.35	80.0	.0689	.7668	18.55.9	B	3 12 ,,
12	33.317	21.96	79·5	50.44	79.8	.0711	.7678	18.56.1	B	4 12 ,,
13	33.729	21.77	79.0	50.49	79.6	.0679	.7683	18.56.7	G	5 12 ,,
14	32.769	21.86	78.6	50.57	79.6	.0694	.7692	18.56.8	G	6 12 ,,
15	34.072	22.04	78.8	50.88	79·2	.0714	.7726	18.58·0	G	7 12 ,,
16	35·307	22.26	79.5	50.79	79.8	.0751	.7716	18.57.0	G	8 12 ,,
17	35.513	22.60	80.6	50.51	80.3	.0805	.7686	18.55.1	C	9 12 ,,
18	35.787	22.86	81.9	50.13	81.0	.0808	.7644	18.52.9	C	10 12 ,,
19	35.924	22.98	82.8	49.85	81.8	.0868	7613	18.51.5	C	11 12 ,,
20	35.032	22.97	83.2	49.77	82.2	.0866	.7604	18.51.1	C	Noon.
21	34.621	22.84	83·7	49.73	82.6	.0845	.7600	18.51.2	B	1 12 p. m.
22	35.170	22.45	84.1	49.94	82.9	.0781	.7623	18.53.1	B	2 12 ,,
23	35.787	22.15	84.1	49.85	83.4	·0731	.7613	18.53.3	B	3 12 ,,
MAR. 17TH-Noon.	35.375	21.76	83.6	49.86	83.5	.0679	.7614	18.54.0	B	4 12 ,,
1	34.141	21.92	83.5	49,90	83.2	.0704	.7619	18.53.9	G	5 12 ,,
2	33.798	21.80	82.5	49.89	83·0	.0684	.7617	18.54.2	G	6 12 ,,
3	33.935	21.67	82.0	50.08	82.5	.0652	.7638	18.55.3	G	7 12 ,,
4	33.866	21·54	81.6	50.21	82.0	.0632	.7653	18.56.2	G	8 12 ,,
5	34.415	21.39	81.3	50.14	81.9	.0607	.7645	18.56.2	C	9 12 ,,
6	34.141	21.68	81.1	50.05	81.8	.0654	.7635	18.55.2	C	10 12 ,,
7	33.866	21.90	80.9	50.12	81.6	.0701	.7643	18.54.9	C	11 12 ,,
8	34.141	21.81	80.6	50.14	81.3	.0686	.7645	18.55.1	C	Midnight.
9	34.141	21.82	80.5	50.20	80.7	.0687	.7652	18.55.3	B	1 12 a. m.
10	33.866	21.80	80.5	50.32	80·6	.0684	.7665	18.56.0	B	2 12 ,,
11	33.592	21.70	80.1	50.50	80.5	.0668	.7685	18.56.9	B	3 12 ,,

DAILY OBSERVATIONS, FROM 17TH TO 19TH MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.	'		°		°			° '		h. m.
MAR. 17TH—12	33·455	21.65	79·7	50.66	80·3	8.0649	2.7702	18°57·7	B	4 12 a. m.
13	33.729	21.78	79.6	50.70	80.0	.0681	.7707	18.57.7	G	5 12 ,,
14	33.798	21.76	79.3	50.69	79.7	.0678	.7705	18.57.6	G	6 12 ,,
15	33.660	21·98	79.7	50.71	79.7	.0714	.7708	18.57.3	G	7 12 ,,
16	34.455	22.19	80.5	50.70	80.0	.0738	.7707	18·56.9	G	8 12 ,,
17	33·798	22.39	81.5	50.57	80.5	.0771	.7692	18.55.8	C	9 12 ,,
18	34·278	22.64	82.2	50.25	81.5	.0812	.7657	18.54.1	C	10 12 ,,
19	32.769	22.73	82·8	50.06	82.0	.0827	.7636	18.52.9	C	11 12 ,,
20	31.740	22.75	83.9	49.93	82.6	.0830	.7622	18.52.3	C	Noon. ,,
21	32.083	22.59	83.8	49.94	83.1	.0808	.7623	18·52.8	B	1 12 p. m.
22	32.769	22.43	84.0	50.06	83.5	.0778	.7636	18.53.7	B	2 12 ,,
23	34.278	22.22	84·3	50.02	84.1	.0744	.7632	18.53.9	B	3 12 ,,
MAR. 18TH-Noon.	34.141	22.16	84.5	49.89	84.5	.0733	.7617	18.53.5	B	4 12 ,,
1	33.249	22.03	84.0	49.64	84.5	.0712	.7596	18.52.7	G	5 12 ,,
2	32.769	21.94	83.0	49.85	83.5	.0708	.7613	18.53.6	G	6 12 ,,
3	33.729	21.89	82.5	49.99	83.0	.0699	.7628	18.54.3	G	7 12 ,,
4	33.729	21.81	82.0	50.08	82.6	.0686	.7638	18.54.8	G	8 12 ,,
5	33.249	21.76	81.7	50.08	82.5	.0679	.7638	18.55.0	C	9 12 ,,
6	33.112	21.72	81.5	50.17	82.3	.0671	.7648	18.55.5	C	10 12 ,,
7	33.249	21.75	81.1	50.22	82.1	.0676	.7654	18.55.6	C	11 12 ,,
8	33.523	21.80	80.9	50.25	81.8	.0684	.7657	18.55.8	C	Midnight.
9	33.523	21.71	80.6	50.49	81.2	.0670	.7683	18.56.8	B	1 12 a. m.
10	33.660	21.69	80.5	50.51	80.9	.0656	.7686	18.57.0	B	2 12 ,,
11	33.455	21.96	79.8	50.52	80.5	.0711	.7687	18.56.5	G	3 12 ,,
12	33.112	21.61	79.5	50.51	80.2	.0643	.7686	18.57.3	G	4 12 ,,
13	33.112	21.67	79.3	50.37	80.1	.0652	.7670	18.56.5	C	5 12 ,,
14	33.043	21.80	79.0	50.50	80.0	.0684	.7635	18.56.8	C	6 12 ,,
15	34.278	21.90	78.9	50.67	79.5	.0701	.7703	18.57.2	B	7 12 ,,
16	35.856	22.46	79.5	50.67	79.6	.0783	.7703	18.56.1	B	8 12 ,,
17	36.336	22.93	80.7	50.66	89.5	.0860	.7702	18.55.0	G	9 12 ,,
18	36.336	23.36	82.0	50.45	81.5	.0930	.7679	18.53.2	G	10 12 ,,
19	35.513	23.47	82·9	50.07	82.2	.0948	.7637	18.51.4	C	11 12 ,,
20	33.523	23.52	84.0	49.62	83.0	.0966	.7588	18.49.3	C	Noon.
21	32.769	23.32	84.6	49.47	83.9	.0923	.7560	18.48.7	B	1 12 p. m
22	32.631	22.94	84.8	49.54	84.5	.0862	.7579	18.50.2	B	2 12 ,,
23	33.455	22.75	84.7	49.65	85.0	.0830	.7591	18.51.1	G	3 12 ,,
MAR. 19TH-Noon.	33.866	22.46	84.5	49.65	85.0	.0783	.7591	18.51.8	G	4 12 ,,
1	33.935	22.07	84.0	49.67	84.8	.0718	.7593	18.52.6	C	5 12 ,,
2	33.112	21.99	83.1	49.54	84.4	.0716	.7579	18.52.0	C	6 12 ,,
3	33.180	21.88	82.5	49.83	83.0	.0697	.7611	18.53.6	B	7 12 ,,
4	33.455	21.81	82 1	49.98	82.6	.0686	.7627	18.54.4	B	8 12 ,,
5	33.455	21.80	81.4	49.97	82 4	.0684	.7626	18.54.7	G	9 12 ,,
6	33.249	21.72	81.2	49.86	82.0	.0671	.7614	18.54.1	G	10 12 ,,
7	33.523	21.79	81.0	50.01	81.9	.0683	.7631	18.54.7	C	11 12 ,,
8	33.455	21.87	80.5	50.07	81.6	.0695	.7637	18.54.7	C	Midnight.
9	33.592	21.95	80.3	50.05	81.1	.0709	.7635	18.54.5	B	1 12 a. m.
10	33.455	21.95	80.1	50.05	81.0	.0709	.7635	18.54.5	B	2 12 ,,
11	33.455	22.04	80.2	50.02	80.8	.0714	.7632	18.54.3	B	3 12 ,,
12	33.249	22.05	80.0	50.12	80.6	.0715	.7643	18.54.6	B	4 12 ,,
13	33.249	21.89	79.1	50.11	80.2	.0699	.7642	18.54.8	G	5 12 ,,
14	33.455	21.87	79.0	50.28	80.0	.0695	.7660	18,55 5	G	6 12 ,,
15	33.935	22.23	79.8	50.40	80.0	.0746	.7674	18·55.3	G	7 12 ,,
16	35.170	22.51	80.0	50.46	80.5	.0791	.7680	18.55.1	G	8 12 ,,
17	35.513	23.04	81.1	50.28	81.0	.0878	.7660	18·53·2	C	9 12 ,,
18	35.375	23.43	82.3	50.06	82.0	.0925	.7636	18.51.6	C	10 12 ,,
19	33.729	23.59	83.4	49.63	82.8	.0952	.7594	18.49.6	C	11 12 ,,
20	32.700	23.50	84.2	49.57	83.3	.0937	.7582	18.49.3	C	Noon.
21	32.083	23.29	84.6	49.67	84.1	.0920	.7593	18.50.0	B	1 12 p. m.
22	32.631	22.96	84.6	49.78	84.4	.0865	.7605	18.51.2	B	2 12 ,,
23	33.592	22.68	84.6	49.79	84.5	.0818	.7606	18.51.8	B	3 12 ,,

DAILY OBSERVATIONS, FROM 20TH TO 23RD MARCH 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
MAR.20TH-Noon.	33·935	22.47	84°4	49.69	84°6	8.0784	2.7595	18°52.0	B	4 12 p. m
1	33·455	22.39	83.8	49.64	84.5	.0771	.7590	18.52.9	G	5 12 „
2	32.769	22.20	82.8	49.62	84.1	.0741	.7588	18.52.2	G	6 12 „
3	32.769	22.01	82.0	49.73	83.0	.0709	.7600	18.53.1	G	7 12 „
4	32.837	21.97	81.7	49.88	82.6	.0712	.7616	18.53.7	G	8 12 „
5	32.769	22.15	81.4	49.82	82.4	.0731	.7610	18.53.2	C	9 12 „
6	32.769	22.00	81.3	49.82	82.2	.0707	.7610	18.53.5	C	10 12 „
7	33.523	21.90	81.1	49.81	82.1	.0701	.7609	18.53.5	C	11 12 „
8	33.866	21.78	81.0	49.86	81.9	.0681	.7614	18.54.0	C	Midnight.
9	34.003	21.70	81.1	49.90	81.5	.0668	.7619	18.54.3	B	1 12 a. m.
10	34.141	21.61	80.9	49.80	81.5	.0643	.7608	18.54.3	B	2 12 „
11	34.003	21.71	80.6	49.79	81.2	.0670	.7608	18.53.8	B	3 12 „
12	33.866	21.74	80.2	49.88	81.0	.0675	.7616	18.54.2	B	4 12 „
13	33.249	21.80	80.0	49.92	80.6	.0684	.7621	18.54.3	G	5 12 „
14	33.523	21.85	80.1	50.02	80.8	.0692	.7632	18.54.5	G	6 12 „
15	34.758	22.14	80.5	50.14	81.3	.0730	.7645	18.54.6	G	7 12 „
16	36.130	22.30	81.0	50.15	81.5	.0755	.7646	18.54.2	G	8 12 „
17	36.542	22.73	81.9	50.20	81.7	.0827	.7652	18.53.5	C	9 12 „
18	35·718	23.49	83.0	49.16	81.9	.0952	.7537	18.47.5	C	10 12 „
19	34.346	23.45	83.8	48·84	82.7	.0945	.7502	18.46.0	C	11 12 „
20	33.249	22.83	84.1	48.99	83.0	.0843	.7518	18.48.2	C	Noon.
21	32.494	22.40	84.7	49.37	84.0	.0773	.7560	18.50.7	B	1 12 p. m.
22	31.877	22.50	85.5	49.30	84.9	.0789	.7553	18.50.2	B	2 12 „
23	32.494	22.04	85.5	49.42	85.5	.0714	.7566	18.51.7	B	3 12 „
MAR.22ND-Noon.	35.032	21.04	84.3	49.46	85.2	.0550	.7570	18.53.9	C	4 12 „
1	34.141	21.01	83.1	49.74	84.5	.0545	.7601	18.55.1	G	5 12 „
2	33.523	20.91	82.0	49.76	84.1	.0529	.7603	18.55.5	G	6 12 „
3	33.455	21.12	81.5	49.71	83.5	.0562	.7598	18.54.9	G	7 12 „
4	33.455	21.28	81.3	49.59	83.0	.0590	.7584	18.53.9	G	8 12 „
5	33.729	21.11	81.1	49.71	82.8	.0561	.7598	18.54.9	C	9 12 „
6	34.003	20.98	81.0	49.78	82.6	.0540	.7605	18.55.5	C	10 12 „
7	33.798	21.03	80.9	49.85	82.4	.0548	.7613	18.55.6	C	11 12 „
8	34.346	21.09	80.9	49.91	82.1	.0558	.7620	18.55.8	C	Midnight.
9	34.552	21.13	81.0	49.95	81.5	.0564	.7624	18.55.9	B	1 12 a. m.
10	34.346	20.98	80.7	49.89	81.4	.0540	.7617	18.56.0	B	2 12 „
11	34.552	21.20	80.3	49.91	81.0	.0577	.7620	18.55.6	B	3 12 „
12	34.141	21.45	80.0	49.98	80.8	.0617	.7627	18.55.3	B	4 12 „
13	34.484	21.30	79.7	50.52	80.8	.0592	.7687	18.58.0	G	5 12 „
14	34·827	21.24	79.7	50.40	80.8	.0584	.7674	18.57.6	G	6 12 „
15	36·336	21·11	79.5	50.25	80.2	.0561	.7657	18·57.3	G	7 12 „
16	37·571	21.25	80·0	50.12	80.5	.0585	.7643	18.56 3	G	8 12 „
17	36·885	21.82	81.2	50.03	81.0	.0687	·7633	18·54.6	C	9 12 „
18	35·993	22.00	82.0	49.50	81.7	.0707	·7575	18.52.1	C	10 12 „
19	33.935	22.14	83.1	49.07	82.2	.0730	·7527	18.50.0	C	11 12 „
20	32·563	21·95	83.6	48.69	82.9	.0709	.7485	18.48.6	C	Noon.
21	32.083	21.85	84.1	48.76	83.5	.0692	.7493	18.49.1	B	1 12 p. m.
22	32.906	21.57	84.2	49.07	84·0	.0620	.7527	18.51.4	B	2 12 „
23	33·935	21.57	84.2	49.38	84.4	.0620	.7561	18.52.6	B	3 12 „
MAR.23RD-Noon.	34·141	21.55	84.0	49.36	84.5	.0633	.7559	18.52.5	B	4 12 „
1	33.729	21.45	83.2	49.47	84.1	.0617	.7571	18.53.0	G	5 12 „
2	33.523	21.30	82.5	49.51	83.5	.0592	.7576	18.53.6	G	6 12 „
3	33.386	21.11	82.0	49.69	83.0	.0561	.7595	18154.8	G	7 12 „
4	33.660	21.08	81·8	49.83	82.8	.0556	.7611	18.55.4	G	8 12 „
5	33·660	21.09	81.8	49.83	82.7	.0558	.7611	18.55.4	C	9 12 „
6	33.112	21.40	81.5	49.47	82.4	.0609	.7615	18.55.0	C	10 12 „
7	33.935	21.37	81.2	49.94	82.3	.0603	.7623	18.55.4	C	11 12 „
8	34.346	21.15	81·0	50.02	82.2	.0567	.7632	18.56.1	C	Midnight.
9	34.484	21·15	81.2	49.90	81.8	.0567	.7619	18.55.6	B	1 12 a. m.
10	34.827	21.16	80.9	50.00	81.5	.0569	.7630	18.56.1	B	2 12 „
11	34.827	21.16	80.6	49.97	81.5	.0569	.7626	18.55.9	B	3 12 „

DAILY OBSERVATIONS, FROM 23RD TO 25TH MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAR. 23RD—12	34'346	21.12	80°1	50.02	81°2	8.0562	2.7632	18°56'2	B	4 12 a. m.
13	34.209	21.20	80.0	50.03	81.0	.0577	.7633	18.56.1	G.L	5 12 „
14	35.032	21.16	80.5	50.22	80.8	.0569	.7654	18.57.0	G.L	6 12 „
15	35.993	21.30	80.7	50.18	81.0	.0592	.7649	18.56.5	G.L	7 12 „
16	36.679	21.49	81.5	50.04	81.2	.0624	.7634	18.55.5	G.L	8 12 „
17	36.885	21·79	82.4	49.85	81.5	.0683	.7613	18.54.0	C	9 12 „
18	36.953	22.02	83.0	49·66	81.9	.0710	.7592	18.52.7	C	10 12 „
19	35.238	22.27	83.5	49.49	83.0	.0751	.7573	18.51.4	C	11 12 „
20	34.072	22.31	83.9	49.46	83.5	.0758	.7570	18.51.2	C	Noon.
21	33.592	22.01	84.2	49.37	84.0	.0709	.7560	18.51.5	B	1 12 p. m.
22	33.729	21·86	84.5	49.39	84.5	.0694	.7562	18.51.7	B	2 12 „
23	34.209	21.71	84.6	49·40	85.0	.0670	.7564	18.52.1	B	3 12 „
MAR. 24TH—Noon.	34.141	21.38	84.6	49.39	85.5	.0605	.7562	18.52.8	B	4 12 „
1	33.866	21.43	84.7	49.37	85·7	.0614	.7560	18.52·8	G	5 12 „
2	33.249	21.27	84.0	49.35	85.1	.0588	.7558	18.53.0	G	6 12 „
3	33.455	21.18	83.5	49.65	85.0	.0572	.7591	18.54.5	G	7 12 „
4	33.455	21.19	83.2	49·64	84.5	.0574	.7590	18.54.5	G	8 12 „
5	33.592	21.21	83.4	49·62	84.0	.0579	.7588	18.54.3	C	9 12 „
6	33.455	21.41	83.1	49.66	83.7	.0611	.7592	18·54.0	C	10 12 „
7	33.592	21.46	83.0	49.79	83.0	.0619	.7606	18.54.5	C	11 12 „
8	34.141	21·25	82·6	49·90	82·7	.0585	.7619	18.55.3	C	Midnight.
9	34.484	21.22	82.6	49.83	82.7	·0580	.7611	18·55.2	B	1 12 a. m.
10	34.827	21.17	81.8	49.83	82.6	.0570	.7611	18.55.3	B	2 12 „
11	34.689	21.15	81.4	49.83	82.5	·0567	.7611	18.55.3	B	3 12 „
12	34·484	21.20	81.4	49.82	82.4	.0577	.7610	18.55.2	B	4 12 „
13	33.798	21.43	81.0	49.81	82.0	·0614	.7609	18.54.7	G	5 12 „
14	·34.621	21.08	81.0	49.96	82.0	.0556	.7625	18.56.0	G	6 12 „
15	36.191	21.19	81.5	50.03	82.0	.0574	·7633	18.56·2	G	7 12 „
16	36.679	21.48	82.0	50.08	82.5	.0622	.7638	18.55.7	C	8 12 „
17	36·610	22.19	83.3	50.09	83.0	.0738	.7639	18.54.2	C	9 12 „
18	36.816	22.36	84.2	49.91	83.7	.0766	.7620	18.53.1	C	10 12 „
19	35.993	22·27	84.7	49·72	84.1	.0752	.7599	18.52.4	C	11 12 „
20	35.307	21.62	85.2	49.54	84.8	.0644	.7579	18.53.1	C	Noon.
21	33.455	22.10	85.5	49.55	85.1	.0723	.7580	18.51.3	B	1 12 p. m.
22	34.278	21.89	85.6	49.52	85.5	.0699	.7577	18.52.3	B	2 12 „
23	34.141	21·55	85.6	49.42	86.0	.0633	.7566	18.52.7	B	3 12 „
MAR. 25TH—Noon.	34.141	21.19	85.6	49.25	86·4	·0574	.7547	18.52.9	B	4 12 „
1	34·141	21.31	85.0	49.29	86.2	.0594	.7551	18.52.7	G	5 12 „
2	33.729	21·11	84.1	49·45	85.7	.0561	.7569	18.53.7	G	6 12 „
3	33.455	20.82	83·7	49.45	85.1	.0513	.7569	18.54.4	G	7 12 „
4	33.729	20.92	83.2	49·64	84.5	.0530	.7590	18.55·0	G	8 12 „
5	33.317	21.23	83.2	49.63	84.4	.0582	.7589	18.54.3	C	9 12 „
6	33.729	21.29	83.2	49.78	84.3	.0592	.7605	18.54 8	C	10 12 „
7	34.209	20.82	83.0	49.86	84.1	.0513	.7614	18.56.2	C	11 12 „
8	33.729	21.41	82.8	49.86	83.8	.0611	.7614	18.54 9	C	Midnight.
9	34.141	21.28	82.6	49.80	83.4	.0590	.7608	18.54.9	B	1 12 a. m.
10	34.003	21.28	82.6	49.75	83.4	.0590	.7602	18·54.6	B	2 12 „
11	34.827	21.30	82.2	49.84	83.0	·0592	.7612	18.55.0	B	3 12 „
12	34.141	21.43	82.1	49·83	82.7	·0614	.7611	18.54.8	B	4 12 „
13	34.141	21.39	81.6	49.86	82.1	.0607	.7614	18.54.9	G	5 12 „
14	34.484	21.39	81.3	49.86	82.0	.0607	.7614	18.54.9	G	6 12 „
15	35.856	21.55	81.7	49.98	82.1	.0633	.7627	18.55.2	G	7 12 „
16	35.513	21.79	82.5	49.88	82.7	.0683	.7616	18.54.1	G	8 12 „
17	34.621	22.21	83.8	49.70	83.4	.0743	.7597	18.52.6	C	9 12 „
18	34.689	22.38	84.9	49.42	84.0	.0769	.7566	18.50.9	C	10 12 „
19	33.112	22.49	85.5	49.41	84.7	.0788	.7565	18.50.6	C	11 12 „
20	32.151	22.50	86.0	49.41	85.2	.0789	.7565	18.50.6	C	Noon.
21	32.226	22.19	86.0	49.32	85.6	.0738	.7555	18.51.0	B	1 12 p. m.
22	32.151	22.03	86.2	49·46	86.1	.0712	.7570	18.51.9	B	2 12 „
23	33.043	21.64	86.5	49.45	86.5	.0648	.7569	18.52.5	B	3 12 „

DAILY OBSERVATIONS, FROM 26TH TO 29TH MARCH 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Mar. 26th-Noon.	32·974	21.28	86°1	49.32	86°5	8.0590	2.7555	18°29′9	B	4 12 p. m.
1	33.249	21.39	85.4	49.30	86.7	.0607	.7553	18.52.6	G	5 12 „
2	33.249	21.43	84.4	49.33	86.0	.0614	.7556	18.52.7	G	6 12 „
3	33.386	21.32	84.0	49.47	85.5	.0595	.7571	18.53.3	G	7 12 „
4	33.660	21.33	83.8	49.65	85.0	.0597	.7591	18.54.1	G	8 12 „
5	33.660	21.39	83.8	49.69	84.9	.0607	.7595	18.54.2	C	9 12 „
6	33.798	21.43	83.7	49.73	84.7	.0614	.7600	18.54.4	G	10 12 „
7	33.866	21.49	83.6	49.76	84.6	.0624	.7603	18.54.3	C	11 12 „
8	33.592	21.60	83.5	49.79	84.5	.0641	.7606	18.54.2	C	Midnight.
9	33.660	21.64	83.5	49.67	84.0	.0648	.7593	18.53.5	B	1 12 a. m.
10	33.866	21.60	83.3	49.67	84.0	.0641	.7593	18.53.7	B	2 12 „
11	33.798	21.36	82.6	49.61	83.5	.0602	.7587	18.53.9	B	3 12 „
12	33.592	21.37	82.5	49.67	83.1	.0603	.7593	18.54.2	B	4 12 „
13	33.935	21.40	82.2	49.69	83.0	.0609	.7595	18.54.2	G	5 12 „
14	34.072	21.38	82.0	49.68	82.5	.0605	.7594	18.54.1	G	6 12 „
15	35.101	21.41	82.0	49.60	82.5	.0611	.7586	18.53.8	G	7 12 „
16	34.209	22.03	82.6	49.58	82.8	.0712	.7583	18.52.4	G	8 12 „
17	33.592	22.30	83.7	49.50	83.3	.0756	.7575	18.51.4	C	9 12 „
18	33.249	22.67	84 8	49.37	84.1	.0816	.7560	18.50.0	C	10 12 „
19	32.357	22.78	85.4	49.30	85.0	.0835	.7553	18.49.6	C	11 12 „
20	31.808	22.77	86.8	49.26	85.4	.0833	.7548	18.49.5	C	Noon.
21	32.700	22.63	86.5	49.48	85.9	.0810	.7572	18.50.6	B	1 12 p. m.
22	33.180	22.40	86.8	49.45	86.6	.0773	.7569	18.51.0	B	2 12 „
23	33.455	22.27	87.3	49.32	87.2	.0751	.7555	18.50.8	B	3 12 „
Mar. 27th-Noon.	33.866	22.06	87.3	49.18	87.5	.0717	.7539	18.50.5	B	4 12 „
1	33.592	21.86	86.8	49.03	87.5	.0694	.7523	18.50.3	G	5 12 „
2	33.249	21.77	86.0	49.01	87.0	.0679	.7521	18.50.4.	G	6 12 „
3	33.592	21.56	85.3	49.20	86.7	.0635	.7542	18.51.7	G	7 12 „
4	33.798	21.45	85.0	49.46	86.0	.0617	.7570	18.53.0	G	8 12 „
5	33.866	21.42	84.8	49.47	85.8	.0612	.7571	18.53.2	C	9 12 „
6	34.003	21.36	84.5	49.57	85.6	.0602	.7582	18.53.7	C	10 12 „
7	34.484	21.32	84.1	49.56	85.2	.0595	.7581	18.53.7	C	11 12 „
8	34.552	21.13	83.6	49.62	85.0	.0564	.7588	18.54.5	C	Midnight.
9	34.621	21.29	83.3	49.66	84.5	.0592	.7592	18.54.2	B	1 12 a. m.
10	34.209	21.34	83.3	49.58	84.2	.0599	.7583	18.53.8	B	2 12 „
11	34.141	21.37	83.2	49.56	83.8	.0603	.7581	18.53.7	B	3 12 „
12	33.798	21.44	83.0	49.56	83.6	.0616	.7581	18.53.4	B	4 12 „
13	34.072	21.46	82.7	49.60	83.2	.0619	.7586	18.53.6	G	5 12 „
14	35.375	21.45	82.5	49.63	83.1	.0617	.7589	18.53.7	G	6 12 „
15	36.130	21.55	82.7	49.81	83.3	.0633	.7609	18.54.4	G	7 12 „
16	37.228	21.89	83.8	49.92	84.0	.0699	.7621	18.54.0	G	8 12 „
17	36.542	22.29	84.7	49.62	84.6	.0756	.7588	18.51.9	C	9 12 „
18	35.513	22.67	86.1	49.45	85.1	.0816	.7580	18.50.8	C	10 12 „
19	34.552	22.90	87.1	49.14	86.2	.0855	.7535	18.48.6	C	11 12 „
20	33.866	22.67	87.2	48.85	86.8	.0816	.7503	18.47.8	C	Noon.
21	33.317	22.54	87.4	48.87	87.2	.0796	.7505	18.48.2	B	1 12 p. m.
22	33.729	22.26	87.5	48.88	87.5	.0751	.7506	18.48.8	B	2 12 „
23	33.798	21.94	87.4	48.98	87.3	.0708	.7517	18.49.9	B	3 12 „
Mar. 29th-Noon.	33.798	21.94	86.5	50.03	87.5	.0708	.7633	18.54.4	G	4 12 „
1	33.386	21.79	86.1	50.02	87.2	.0683	.7632	18.54.7	G	5 12 „
2	33.043	21.44	85.2	50.14	86.5	.0616	.7645	18.56.0	G	6 12 „
3	33.249	21.54	85.0	50.23	86.0	.0632	.7655	18.56.3	G	7 12 „
4	33.523	21.48	84.6	50.16	85.3	.0622	.7647	18.56.1	G	8 12 „
5	33.523	21.40	84.2	49.75	85.1	.0609	.7602	18.54.4	C	9 12 „
6	34.141	21.27	84.0	49.65	84.9	.0588	.7591	18.54.2	C	10 12 „
7	34.827	21.45	83.6	49.66	84.6	.0617	.7592	18.53.8	C	11 12 „
8	35.101	21.22	83.3	49 73	84.2	.0580	.7600	18.54.8	C	Midnight.
9	35.513	21.02	82 9	49.71	83.6	.0546	.7598	18.55.0	B	1 12 a. m.
10	35.170	21.17	82.6	49.66	83.5	.0570	.7592	18.54.5	B	2 12 „
11	34.827	21.03	82.3	49.65	83.2	.0548	.7591	18.54.7	B	3 12 „

DAILY OBSERVATIONS, FROM 29TH TO 31ST MARCH 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAR. 29TH—12	34·689	21.01	82·0	49.58	82·8	8.0545	2.7583	18°54′4	B	4 12 a. m.
13	34.484	21.01	81.7	49.58	82·8	.0545	.7583	18.54.4	G	5 12 „
14	35.513	21.21	81·7	49.66	82.7	.0579	.7592	18.54.4	G	6 12 „
15	36.562	21.35	80.8	49.79	81.7	.0600	.7606	18.54·7	G	7 12 „
16	36.885	21.97	81.5	49.77	82·3	.0712	.7604	18.53·2	G	8 12 „
17	35.718	22.55	82.8	49·69	83.0	.0781	.7595	18·52.0	C	9 12 „
18	35.238	23.03	84.4	49.57	84.0	.0873	.7582	18.50.2	C	10 12 „
19	34.484	22·94	85.0	49.54	84.7	.0862	.7579	18·50.2	C	11 12 „
20	34.141	22·95	85.4	49.56	85.2	.0863	.7581	18.50.3	C	Noon„
21	34.141	22.70	85·5	49.52	85.5	.0822	.7577	18.50.7	B	1 12 p. m.
22	34.141	22.53	86.0	49.46	86.0	.0794	.7570	18.50.8	B	2 12 „
23	34·689	21.91	85.9	49.49	86.3	.0703	.7573	18.52.1	B	3 12 „
MAR. 30TH—Noon.	34.621	21.55	85.6	49.25	86.5	·0633	.7547	18.52.1	B	4 12 „
1	33.935	21.55	85.0	49.18	86.0	.0633	.7539	18·51.7	G	5 12 „
2	33.866	21.13	83.8	49·35	85.1	.0564	.7558	18.53·4	G	6 12 „
3	34.827	20.99	83.0	49.41	84.3	.0542	.7565	18.53.9	G	7 12 „
4	35.101	20·29	82.7	49.61	83.5	.0428	.7587	18.56.2	G	8 12 „
5	35.170	20.58	82·5	49.60	83.0	.0474	.7586	18.55.6	C	9 12 „
6	34.689	20.79	82.3	49.64	83.1	·0509	.7590	18.55.3	C	10 12 „
7	34·689	21.10	82.2	49.77	82.9	.0559	.7604	18.55.1	C	11 12 „
8	34.346	21.15	82.2	49.81	82.2	.0567	.7609	18.55.2	C	Midnight.
9	34.552	21.15	82.2	49·78	82.6	.0567	.7605	18.55.1	B	1 12 a. m.
10	34.552	21.35	82.2	50.03	82.5	.0600	.7633	18.55.8	B	2 12 „
11	34.278	21.41	82.0	50·32	82.3	.0611	·7665	18.56.9	B	3 12 „
12	34.141	21.34	81.6	50.21	82.1	.0599	.7653	18.56.6	B	4 12 „
13	34.278	21.23	81.3	50.26	81.9	.0582	.7658	18.57.1	G	5 12 „
14	34.895	21.09	81.0	50.43	81.5	.0558	.7677	18·58.0	G	6 12 „
15	35.993	21.68	80.7	50.54	81.4	.0654	.7689	18.57.2	G	7 12 „
16	36.404	21.58	81.0	50.35	81.7	.0638	.7668	18.56.6	G	8 12 „
17	35.718	22.38	82.2	49.97	82.3	.0769	.7626	18.53.3	C	9 12 „
18	35.718	22.66	83.4	49·99	82.9	.0815	.7628	18.52.7	C	1 12 „
19	34·621	22.82	84.0	50.05	83,4	.0841	.7635	18.52.8	C	1 12 „
20	33.866	22.75	84.3	49.81	83.8	.0830	.7609	18.51.8	C	Noon.
21	33.729	22.64	84.2	49·81	83.8	.0812	.7609	18.52.1	B	1 12 p. m.
22	33.798	22.32	84.1	49.82	84.0	.0759	.7610	18.52.8	B	2 12 „
23	34.209	21·95	83.9	49.77	84.1	.0709	.7604	18·53.2	B	3 12 „
MAR. 31ST—Noon.	34.278	21.48	83.5	49.97	84.0	.0622	.7626	18.55.2	B	4 12 „
1	34.895	21.30	82.8	50.07	83.4	·0592	.7637	18.56.1	G	5 12 „
2	34.827	21.33	82.0	50·07	83.0	·0597	.7637	18.56.0	G	6 12 „
3	34.484	21.17	81.5	50.09	83.0	.0570	.7639	18.56.4	G	7 12 „
4	34.758	21.18	81·5	50.18	82.6	.0572	.7649	18.56.8	G	8 12 „
5	34.552	21.16	81.4	50.21	82.3	.0569	.7653	18.57.0	C	9 12 „
6	34.484	21.07	81.4	50.32	82.3	.0554	.7665	18.57.6	C	10 12 „
7	34.621	21.24	81.3	50·45	82·3	.0584	·7679	18·57.8	C	11 12 „
8	34.827	21.32	81.2	50.47	82.2	.0595	.7681	18·57.6	C	Midnight.
9	35.032	21·33	81.4	50.42	82.2	.0597	.7676	18.57.5	B	1 12 a. m
10	34.964	21·34	81.3	50.31	81.9	·0599	.7664	18.56.9	B	2 12 „
11	34.552	21.47	81.2	50·30	81.8	.0621	.7663	18.56.6	B	3 12 „
12	34·552	21·53	81.0	50.25	81.5	.0630	.7657	18.56.4	B	4 12 „
13	34.415	21.54	80.7	50.37	81.1	.0632	.7670	18.56.8	G	5 12 „
14	34.895	21.55	80.3	50.51	81.0	.0633	.7686	18.57.4	G	6 12 „
15	35·513	21.79	80.5	50·43	81.1	·0679	.7677	18.56.5	G	7 12 „
16	36.061	22.33	81.0	50·43	81.5	.0761	.7677	18·55·4	G	8 12 „
17	36.199	22.93	82.1	50.26	81.9	.0860	.7658	18.53.4	C	9 12 „
18	35.052	23·58	83.6	50.04	82.9	.0966	.7634	18.51.0	C	10 12 „
19	34.346	23.52	84.1	49.95	83.3	.0956	·7624	18.50·7	C	11 12 „
20	33.866	23.22	84.2	49.96	83·5	.0908	.7625	18.51.5		Noon.
21	33.112	22.99	84.4	50.01	83·8	.0870	.7631	18.52.2	B	1 12 p. m
22	33.729	22.81	84.8	50.05	84·4	.0840	.7635	18.52.8	B	2 12 „
23	34.415	22.50	85.0	50.07	84.9	.0789	.7637	18.53.5	B	3 12 „

DAILY OBSERVATIONS, FROM 1ST TO 5TH APRIL 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.								°		h. m.
APRIL 1ST-Noon.	34·621	22.17	85·0	49.97	85·2	8.0734	2.7626	18°53′8	C	4 12 p. m.
1	34.141	21.70	84.6	49.62	85.5	.0668	.7588	18.53.8	B	5 12 ,,
2	33.043	21.79	83.8	49.71	85.3	.0683	.7598	18.53.4	B	6 12 ,,
3	33.112	21.76	83.8	49.89	84.7	.0678	.7617	18.54.2	B	7 12 ,,
4	33.866	21.33	83.8	50.09	84.5	.0597	.7639	18·56.0	B	8 12 ,,
5	34.552	21.52	83.7	50.13	84.3	.0623	.7644	18.55.8	G	9 12 ,,
6	34.278	21.49	83.6	50.13	84.2	.0624	.7644	18.55.9	G	10 12 ,,
7	34.415	21.38	83.3	50.11	83.7	.0605	.7642	18.56.0	G	11 12 ,,
8	34.278	21.31	82.8	50.11	83.5	.0594	.7642	18·56.2	G	Midnight.
9	33.660	21.61	82.6	49.97	83·3	.0643	.7626	18.55.0	C	1 12 a. m.
10	33.798	21.56	82.3	50.00	83·2	.0635	.7630	18.55.2	C	2 12 ,,
11	33.592	21.62	82.1	49.99	83.1	.0644	.7628	18.55.1	C	3 12 ,,
12	33.592	21.57	82.0	50.04	83.0	.0636	.7634	18.55.3	C	4 12 ,,
13	33.180	21.74	82.0	50·08	82.6	.0675	.7638	18.55.0	B	5 12 ,,
14	33.455	21.64	81.6	50.07	82.4	.0643	.7637	18.55.3	B	6 12 ,,
15	34.209	21.87	81.8	50.09	82.3	.0695	.7639	18.54.7	B	7 12 ,,
16	34.827	22.34	82.9	49.93	82.6	.0763	.7622	18.53.2	B	8 12 ,,
17	35.101	22.77	83.6	49.98	82.8	.0833	.7627	18.52.6	G	9 12 ,,
18	34.964	23.15	84.5	49.61	83.7	.0895	.7587	18·50.1	G	10 12 ,,
19	34.141	23.32	85.0	49.41	84.2	.0923	.7565	18.48.9	G	11 12 ,,
20	32.083	23.12	85.3	49.15	85.0	.0890	.7536	18.48.2	G	Noon.
21	31.534	22.81	85.6	49.26	85.4	.0840	.7548	18.49.4	C	1 12 p. m.
22	31.740	22.80	86.0	49.43	86.1	.0838	.7567	18.50.1	C	2 12 ,,
23	32.974	22.72	86·5	49.56	87.0	.0825	.7581	18.50.7	C	3 12 ,,
APRIL 3RD-Noon.	34.552	21.68	86.2	49.38	87.5	.0654	.7561	18.52.2	B	4 12 ,,
1	34.415	21·57	85.6	49.36	86.9	.0636	.7559	18.52.4	B	5 12 ,,
2	34.141	21.58	84.6	49.43	86.0	.0638	.7567	18.52.7	B	6 12 ,,
3	34.689	21.65	83.6	49.61	85.3	.0649	.7587	18.53.3	B	7 12 ,,
4	34.278	21.73	83.2	49.64	84.6	.0673	.7590	18.53.4	B	8 12 ,,
5	34.415	21.78	83.0	49.63	84.2	.0681	.7589	18.53·0	G	9 12 ,,
6	34.552	21.77	82.9	49.66	84·0	.0679	.7592	18.53.1	G	10 12 ,,
7	34·484	21.75	82.8	49.71	83.7	.0676	.7598	18.53.4	G	11 12 ,,
8	34.827	21.82	82.6	49.75	83.5	.0687	.7602	18.53.3	G	Midnight.
9	34.758	21.83	82.4	49.80	83.4	.0689	.7608	18.53.6	C	1 12 a. m.
10	34.758	21·64	82.2	49.82	83·2	.0648	.7610	18.54.2	C	2 12 ,,
11	34.484	21.71	82.0	49.89	83.0	.0670	.7617	18·54.3	C	3 12 ,,
12	34·484	21.71	81.9	49.90	82.9	.0670	.7619	18.54.3	C	4 12 ,,
13	34.484	21.75	81.5	49.87	82·3	.0676	.7615	18.54.1	B	5 12 ,,
14	35.170	21.57	81.2	50.06	82.0	.0636	.7636	18·55.5	B	6 12 ,,
15	36.542	21.57	81.5	50.01	82.0	.0636	.7631	18.55.2	B	7 12 ,,
16	36·542	21.95	82.5	49.73	82.5	.0709	.7600	18.53.1	B	8 12 ,,
17	35.513	22.40	83.5	49.69	83.0	.0773	.7595	18.52·1	G	9 12 ,,
18	35.170	22.72	84.0	49.63	83.5	.0825	.7589	18.51.0	G	10 12 ,,
19	34.484	22.54	84.4	49.37	84.0	.0796	.7560	18.50.3	B	11 12 ,,
20	34.552	22.66	84.8	49.36	84.4	.0815	.7559	18.50.0	B	Noon
21	34.895	22.59	84.9	49.34	84.8	.0804	.7557	18.50.3	C	1 12 p. m.
22	34.484	22.43	84.9	49.50	85.0	.0778	.7575	18.51.2	C	2 12 ,,
23	34.689	22.15	84.9	49.55	85.0	.0731	.7580	18.52.0	C	3 12 ,,
APRIL 5TH-Noon.	34.141	22.23	86.0	49.35	86.7	.0761	.7558	18.52·8	B	4 12 ,,
1	34.552	21.90	85.5	49.48	86.6	.0701	.7572	18.52.0	B	5 12 ,,
2	34.464	21.78	84.6	49.43	86.0	.0681	.7567	18.52.2	B	6 12 ,,
3	34.278	21.71	84.0	49.61	85.3	.0670	.7587	18.53.1	B	7 12 ,,
4	34.346	21.66	83.5	49.62	84.6	.0651	.7588	18.53·3	B	8 12 ,,
5	34.552	21.59	83.0	49.63	84.2	.0640	.7589	18.53.5	G	9 12 ,,
6	34.464	21.50	82.5	49.76	84.0	.0625	.7603	18.54.2	G	10 12 ,,
7	34.827	21.53	82.1	49.81	83.7	.0630	.7609	18.54.4	G	11 12 ,,
8	35.513	21·41	82.0	49.83	83.0	.0611	.7611	18·54.8	G	Midnight.
9	35.032	21·50	81.8	49.94	82.9	.0625	.7623	18.55.0	C	1 12 a. m.
10	35.101	21.57	81.5	49.95	82.8	.0636	.7624	18.54.9	C	2 12 ,,
11	34.964	21.50	81.3	49.98	82.7	.0625	.7627	18.55.2	C	3 12 ,,

DAILY OBSERVATIONS, FROM 5TH TO 7TH APRIL 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
APRIL. 5TH—12	34'552	21.53	81.0	49.99	82'4	8.0630	2.7628	18°55'2	C	4 12 a. m
13	34.464	21.54	80·5	50.01	81.9	.0632	.7631	18.55.3	B	5 12 „
14	34.827	21.59	80·2	50.30	81·5	.0640	.7662	18.56.4	B	6 12 „
15	35.856	21.81	80.4	50.33	81·1	.0686	.7666	18.55.8	B	7 12 „
16	36.542	22.17	81.5	50.17	81.7	.0735	.7648	18.54.6	B	8 12 „
17	35.513	22.56	82.0	50.27	82.2	.0799	.7659	18.54.2	G	9 12 „
18	34.827	22.81	83.0	50.09	83.0	.0840	.7639	18.52.9	G	10 12 „
19	33·935	23.18	84.7	49.91	83.5	.0900	.7620	18.51·4	G	11 12 „
20	33.043	23.00	84.8	49.67	83·8	.0871	.7593	18.50.7	G	Noon.
21	33.249	22.53	84.9	49.71	84.2	.0794	.7598	18.51.9	C	1 12 a. m.
22	33.660	22.33	84.9	49.78	84.3	.0761	.7605	18.52.6	C	2 12 „
23	34.209	22.21	84.8	49·78	84.3	.0743	.7605	18.52.9	C	3 12 „
APRIL. 6TH-Noon.	34·346	22.05	84.6	49.73	84.3	.0715	.7600	18.52.9	C	4 12 „
1	34.278	21.74	83.7	49.69	84.5	.0675	.7595	18.53.3	B	5 12 „
2	34.689	21.55	83.0	49.68	84.4	.0633	.7594	18.53.8	B	6 12 „
3	34.552	21.44	82.6	49.76	83.8	.0616	.7603	18.54.3	B	7 12 „
4	34.346	21.50	82.5	49.81	83.5	.0625	.7609	18.54.4	B	8 12 „
5	34.552	21.49	82.1	49.84	83.2	.0624	.7612	18.54.6	G	9 12 „
6	34.827	21.41	82.0	49.89	83.1	.0611	.7617	18.55.1	G	10 12 „
7	34.895	21.47	81.8	50.09	83.0	.0620	.7639	18.55.7	G	11 12 „
8	35.170	21.39	81.5	50.08	82.6	.0607	.7638	18.55.9	G	Midnight.
9	35.238	21.49	81.5	49.98	82·5	.0624	.7627	18.55.3	C	1 12 a. m.
10	35.307	21.51	81.3	49.95	82.3	.0627	.7624	18.55.0	C	2 12 „
11	35.444	21.62	81.1	49.95	82.2	.0644	.7624	18.54.9	C	3 12 „
12	35.238	21.72	81.0	49.91	82.1	.0671	.7620	18.54.4	C	4 12 „
13	35·101	21.70	81.0	50.01	82.0	.0668	.7631	18.54.8	B	5 12 „
14	35·101	21.85	80.8	50.05	81.5	.0692	.7635	18.54.7	B	6 12 „
15	36.199	21.90	81.2	50.07	81.6	.0701	.7637	18.54.7	B	7 12 „
16	36.336	22.28	82.2	49.92	82.3	.0754	.7621	18.53.3	B	8 12 „
17	36.191	22.59	83.0	49.69	83.0	.0788	.7595	18·51.8	G	9 12 „
18	35.856	22.96	83.7	49.61	83.5	.0865	.7587	18.50.4	G	10 12 „
19	34.827	22.90	84.2	49·56	84.0	.0855	.7581	18.50.3	G	11 12 „
20	34.484	22.85	84.7	49.44	84.8	.0846	.7568	18.49.9	G	Noon.
21	34.209	22.60	85.0	49.57	85.4	.0805	.7582	18 51.0	C	1 12 p. m.
22	34.689	22.43	85.5	49.62	85.8	.0778	.7588	18.51.7	C	2 12 „
23	34.964	22.04	85.8	49.55	86.5	.0714	.7580	18.52.3	C	3 12 „
APRIL. 7TH-Noon.	35.101	21.80	86.1	49.45	86.8	.0684	.7569	18.52.2	C	4 12 „
1	34.895	21.52	85.6	49.25	86.8	.0628	.7547	18.52.1	B	5 12 „
2	34.964	21.39	84.1	49.42	85.8	.0607	.7566	18.53.0	B	6 12 „
3	34.552	21.17	83.5	49.61	85.2	.0570	.7587	18.54.4	B	7 12 „
4	34.003	21.26	83.1	49.59	84.5	.0587	.7584	18.53.9	B	8 12 „
5	34.072	21.44	83.0	49.62	84.0	.0616	.7588	18.53.7	G	9 12 „
6	34.141	21.55	82.5	49.62	84.0	.0633	.7588	18.53.6	G	10 12 „
7	34.141	21.55	82.4	49.66	83.9	.0633	.7592	18.53.7	G	11 12 „
8	34.484	21.73	82.4	49.71	83.5	.0673	.7598	18.53.5	G	Midnight.
9	34.895	21.76	82.3	49.75	83.4	.0678	.7602	18.53.5	C	12 a. m.
10	34.484	21.75	82.2	49.80	83.3	.0676	.7608	18.53.8	C	2 12 „
11	34.964	21.65	82.2	49.80	83.2	.0649	.7608	18.54.1	C	3 12 „
12	34.895	21.54	81.9	49.79	83.0	.0632	.7606	18.54.4	C	4 12 „
13	34.964	21.64	81.6	49.73	82.6	.0648	.7600	18.53.8	B	5 12 „
14	35.170	21.57	80.8	49.98	82.0	.0636	.7627	18.55.1	B	6 12 „
15	35.718	21.67	81.2	50.06	82.0	.0652	.7636	18.55.2	B	7 12 „
16	36.199	22.09	82.3	49.90	82.6	.0722	.7619	18.53.6	B	8 12 „
17	36.885	22.46	83.0	49.91	83.5	.0783	.7620	18.53.0	G	9 12 „
18	36.679	22.75	85.0	49.73	84.3	.0830	.7600	18.51.5	G	10 12 „
19	36.610	22.80	85.8	49.50	85.2	.0838	.7575	18.50.4	G	11 12 „
20	35.513	22.92	86.4	49.18	86.0	.0858	.7539	18.48.7	G	Noon.
21	34.621	22.77	86.1	49.13	86.0	.0833	.7534	18.48.9	C	1 12 p. m.
22	33.798	22.70	86.1	49.19	86.2	.0822	.7540	18.49.3	C	2 12 „
23	34.141	22.34	86.0	49.30	86.3	.0763	.7553	18.50.6	C	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH APRIL 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
APRIL 8TH-Noon.	34·758	21.94	85·8	49.28	86·0	8.0708	2.7550	18°51′2	C	4 12 p. m.
1	34.552	21.59	84.9	49.16	86.0	.0640	.7537	18.51.6	B	5 12 „
2	34.689	21·41	83.7	49.40	85.1	.0611	.7564	18.52.9	B	6 12 „
3	34·484	21.41	83.2	49.48	84.2	.0611	·7572	18.53.2	B	7 12 „
4	34.141	21.50	82.8	49.56	83.5	.0625	.7581	18.53.3	B	8 12 „
5	34.621	21.43	82.1	49.59	83.1	·0614	.7584	18.53.7	G	9 12 „
6	34.964	21.32	81.8	49.57	83.0	.0595	.7604	18.54.6	G	10 12 „
7	35.170	21.47	81.8	49.69	82.9	.0620	.7595	18.54.0	G	11 12 „
8	34.827	21.36	81.7	49.70	82.8	.0602	.7597	18.54.4	G	Midnight.
9	35.032	21.47	81.5	49.74	82.6	.0620	.7601	18.54.2	C	1 12 a. m.
10	34.827	21.34	81.4	49.78	82.5	.0599	.7605	18.54.7	C	2 12 „
11	35.032	21.71	81.3	49.78	82·3	.0670	.7605	18.53.8	C	3 12 „
12	34.552	21·58	81.1	49.80	82.1	.0638	.7608	18.54.3	C	4 12 „
13	34.141	21.64	80.5	49.73	81.6	.0648	.7600	18·53·8	B	5 12 „
14	34·141	21.54	80.5	49.89	81.4	.0632	.7617	18.54.3	B	6 12 „
15	34·753	21.65	80.3	49.99	81.4	.0649	.7628	18.54.9	B	7 12 „
16	34.758	22.04	81·2	49.90	81.7	.0714	·7619	18.53·8	B	8 12 „
17	34.278	22.41	83.0	49.87	82·3	.0775	.7615	18.52.8	G	9 12 „
18	34.278	22.73	83.8	49.45	83.5	.0827	.7569	18.50.2	G	10 12 „
19	33.935	22.16	85.5	49.18	84.4	.0733	.7539	18.50.4	G	11 12 „
20	33·592	22.47	86.0	49.26	85.2	.0784	.7548	18.50·2	G	Noon.
21	32.494	23·24	86.6	49.17	85.8	.0912	.7538	18.48.1	C	1 12 p. m.
22	33.386	22.30	87.2	49·29	·87.0	.0756	.7551	18.50.5	C	2 12 „
23	34.484	21.14	87.7	49.34	88.0	.0566	.7557	18.53.3	C	3 12 „
APRIL 9TH-Noon.	35.856	20.51	88.0	49.41	88.8	.0464	.7565	18.54.9	C	4 12 „
1	36.199	19.96	88.4	49·20	89·3	·0374	.7542	18.55.2	B	5 12 „
2	36.679	19.49	87.5	49.31	88.8	.0297	.7554	18.56.6	B	6 12 „
3	35·032	19.88	87.0	49.21	88·2	.0360	.7543	18.55.4	B	7 12 „
4	33.180	20.55	86.5	49.21	87.5	.0469	.7543	18.54.0	B	8 12 „
5	33.935	20.58	86.0	49.71	87.0	.0474	.7598	18.56.1	G	9 12 „
6	34.278	20.89	85.2	49.39	86.3	.0525	.7562	18.53.8	G	10 12 „
7	34.895	20.86	84.5	49.52	85.5	.0520	.7577	18.54.6	G	11 12 „
8	35.170	21·62	84.0	49.65	85.0	.0644	.7591	18·53.6	G	Midnight
9	35.856	20.82	83.8	49.30	84·8·	.0513	.7553	18.53.9	C	1 12a. m.
10	36.199	20·83	83.8	49·43	84.7	.0515	.7567	18.54.2	C	2 12 „
11	36.542	20.95	83.6	49·44	84.6	.0535	.7568	18.54.0	C	3 12 „
12	36.885	21.00	83.3	49.45	84.3	.0543	.7569	18.54.0	C	4 12 „
13	36.404	21.12	83.0	49.32	83.9	.0561	.7555	18.53.3	B	5 12 „
14	36.610	21·02	82.9	49.33	83.6	.0546	.7556	18.53.4	B	6 12 „
15	36.061	21.53	83.5	49.33	83.7	.0630	.7556	18·52.4	B	7 12 „
16	36.404	21.31	84.5	49.39	84.5	.0594	.7562	18.53.0	B	8 12 „
17	35.993	21.82	85.1	49.26	84.8	.0687	.7548	18.51.3	G	9 12 „
18	35.650	22·07	86.0	48.96	85.3	.0718	·7515	18.49.6	G	10 12 „
91	34.621	22.16	86.7	48.80	86·0	.0733	.7498	18.48.8	G	11 12 „
20	34.072	22.15	87.2	48.70	86.7	.0731	.7487	18.48.4	G	Noon.
21	33·249	21.88	87.6	48·69	87.1	.0697	.7485	18.48.7	C	1 12 p. m.
22	33.112	21.63	87.7	48·77	87.6	.0646	.7494	18.49.6	C	2 12 „
23	34·141	21.39	87·6	48.84	88.0	.0607	.7502	18.50.5	C	3 12 „
APRIL 10TH-Noon.	35.101	21.20	87.4	48.99	88.1	.0577	.7628	18.55.9	C	4 12 „
1	35.101	21.14	87.0	48.86	88.1	.0566	.7614	18.55.4	B	5 12 „
2	34.895	21.08	86.5	48.88	87.6	.0556	.7506	18.51.4	B	6 12 „
3	34.415	21·24	86.1	48.87	87.3	·0534	.7505	18.51.1	B	7 12 „
4	34.346	21.31	85·6	48.85	86.8	.0594	.7503	18.50.8	B	8 12 „
5	34.837	21.02	84.3	48.98	86.0	.0546	.7517	18.51.9	G	9 12 „
6	34.621	21·12	84.0	49.17	85.5	.0562	.7538	18.52.6	G	10 12 „
7	35.170	21.17	83.7	49.16	85.2	.0570	.7537	18.52.5	G	11 13 „
8	35.170	21.03	83.1	49.14	84.8	.0548	.7535	18.52.0	G	Midnight.
9	34.827	21.26	83.0	49.17	84.4	·0587	.7538	18.52.2	C	1 12 a. m.
10	34.895	21.42	82.9	49.29	84.2	.0612	.7551	18.52.5	C	2 12 „
11	34.827	21.49	82.9	49.42	84.0	.0624	.7566	18.52.8	C	3 12 „

DAILY OBSERVATIONS, FROM 11TH TO 13TH APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
April 10th—12	34°58	21.49	82°7	49.47	83°8	8.0624	2.7571	18°53'0	C	4 12 a. m.
13	34.552	21.46	82.5	49.47	83.5	·0619	.7571	18.53·0	B	5 12 „
14	34.827	21.51	82.3	49.52	83.4	.0627	.7577	18.53.2	B	6 12 „
15	35·581	21.70	82.8	49.53	83.5	.0668	.7578	18.52.7	B	7 12 „
16	35·924	21.97	83.9	49.31	83.6	.0712	.7554	18.51.3	B	8 12 „
17	35.581	22·41	84.8	49.11	84·4	.0775	.7532	18.49.5	G	9 12 „
18	34.827	22.68	85.5	48.95	85·0	.0818	.7514	18.48.2	G	10 12 „
19	33.729	22.76	85.9	48.67	85.5	.0832	.7483	18.46.9	G	11 12 „
20	33·112	22.84	86.4	48.58	86.0	.0845	.7473	18·46.2	G	Noon.
21	32.494	22.67	86.5	48.72	86·8	.0816	.7489	18.47.2	C	1 12 p. m.
22	32.769	22.29	86.7	48.87	87.3	.0756	.7505	18.48.7	C	2 12 „
23	33.455	21.72	86.7	49.08	87.5	.0671	.7528	18.50·8	C	3 12 „
April 12th—Noon.	34.837	22.00	87.8	48.86	88.5	.0707	.7504	18.49.3	G	4 12 „
1	34.209	21.86	87.0	48.79	88.3	.0694	.7496	18.49.2	G	5 12 „
2	34.415	21.62	86.5	49.01	87.0	.0644	.7521	18.50.9	G	6 12 „
3	34.141	21.53	86.0	48.95	86.6	.0630	.7514	18.50.7	B	7 12 „
4	34.346	21.54	85.4	49.04	86.4	.0632	.7524	18.51.1	B	8 12 „
5	34.141	21.69	85.0	48.98	86·0	.0656	.7517	18.50.5	G	9 12 „
6	34.415	21.58	84.6	49.17	85.5	.0638	·7538	18.51.6	G	10 12 „
7	34.415	21·47	84.3	49·16	85.3	.0620	.7537	18.51.8	G	11 12 „
8	34.484	21·51	84.0	49.15	85·0	.0627	.7536	18.51.6	G	Midnight.
9	34.415	21.46	83.8	49.15	85.0	.0619	.7536	18.51·8	C	1 12 a.m.
10	34.415	21.48	83.5	49.19	84.8	.0621	.7540	18.51.9	C	2 12 „
11	34.072	21.68	83.2	49.24	84.5	.0654	.7546	18.51.7	C	3 12 „
12	34.346	21.56	83.0	49.38	84.3	.0635	.7561	18.52.4	C	4 12 „
13	34.346	21.63	82.6	49.36	83.6	.0646	.7559	18.52.2	B	5 12 „
14	35.718	21.50	82.5	49.51	83.5	·0625	.7576	18.53.1	B	6 12 „
15	36·885	21.83	83.0	49.46	83.5	.0689	.7570	18·52.1	B	7 12 „
16	37.090	22.02	84·0	49·17	83.9	.0710	.7538	18.50.7	B	8 12 „
17	36.267	22.25	85.0	49.23	84.2	.0749	.7545	18.50.4	G	9 12 „
18	35.513	22.40	85.5	48.95	85.0	.0773	.7514	18.48.9	G	10 12 „
19	33.523	22.67	86·0	48.46	85.3	.0816	.7460	18.46.1	G	11 12 „
20	33.180	22.65	86.5	48.58	86·0	.0813	.7473	18.46.8	G	Noon.
21	32.563	22.57	86.8	48.60	86.5	.0800	.7476	18.47.0	C	1 12 p. m.
22	33.083	22.16	87.0	48.68	87.0	.0733	.7484	18.48.2	C	2 12 „
23	33.592	21.98	87·2	48·70	87.5	.0714	.7487	18.48.7	C	3 12 „
April 13th—Noon.	34.072	21.83	87.0	48.73	87.6	.0689	.7490	18.49.0	C	4 12 „
1	34.072	21·72	86.5	48.73	87.6	.0671	.7490	18.49.3	B	5 12 „
2	34.837	21.56	85.1	48.86	87.0	.0635	.7498	18·50.0	B	6 12 „
3	34·484	21.56	85.0	48.90	86.5	.0635	.7509	18·50.4	B	7 12 „
4	34.386	21.59	84.9	49.03	86.0	.0640	.7523	18.51.0	B	8 12 „
5	34.415	21·52	84.5	48.87	85.5	.0628	.7505	18.51.4	G	9 12 „
6	34.415	21.54	84.4	48.77	85.5	.0632	.7494	18.49.9	G	10 12 „
7	34.552	21.46	84.0	49.06	85.2	.0619	.7526	18·51.3	G	11 12 „
8	34.837	21.52	83.7	49.14	84.7	.0628	.7535	18.51.6	G	Midnight.
9	34.837	21.53	83.5	49.13	84.4	.0630	.7534	18.51.5	C	1 12 a. m.
10	34.758	21.51	83.4	49.19	84.3	.0627	.7540	18.51.8	C	2 12 „
11	34·758	21.50	83.3	49.23	84.3	.0625	.7545	18·52.0	C	3 12 „
12	34·621	21.51	83.1	49.25	84.1	.0627	.7547	18·52.1	C	4 12 „
13	34.552	21·59	83.1	49.31	83.5	.0640	.7554	18·52.2	B	5 12 „
14	34.581	21.63	83.1	49.41	83·5	.0646	.7565	18·52·4	B	6 12 „
15	36.610	21.59	83.1	49.55	83.4	.0640	.7580	18.53.2	B	7 12 „
16	36.816	22.05	84.0	49.31	83·6	.0715	.7554	18.51.1	B	8 12 „
17	36.610	22.48	85.0	49.14	84.5	.0768	.7535	18.49.8	G	9 12 „
18	34.415	22.81	85.4	48.65	85.0	.0840	.7481	18.46.7	G	10 12 „
19	32.083	22.85	85.8	48.38	85.4	.0846	.7451	18.45.4	G	11 12 „
20	31.191	22.79	86.2	48.38	86.0	·0837	.7451	18.45·6	G	Noon.
21	31.397	22.57	86.7	48.70	86.6	.0800	.7487	18.47·5	C	1 12 p. m.
22	32.151	22.40	87.3	48.77	87.2	.0773	.7494	18.48.1	C	2 12 „
23	32·837	22.23	87.5	48.83	87.8	.0746	.7501	18.48.6	C	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 16TH APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
April 14th-Noon.	33·798	22.08	87·5	48.89	88·0	8.0720	2.7507	18°43·3	C	4 12 p. m.
1	34.278	21.	87.0	48.79	88.0	.0712	.7496	18·49.0	B	5 12 „
2	34.209	21.88	86.5	48.68	87.5	.0697	.7485	18.48.7	B	6 12 „
3	34.552	21.72	86.0	48.90	86.6	.0671	.7509	18.50.0	B	7 12 „
4	34.278	21.72	85.6	48.93	86.1	.0671	.7512	18.50.1	B	8 12 „
5	34.209	21.70	85.2	48.98	86.0	.0668	.7517	18.50.4	G	9 12 „
6	34.415	21.63	84.7	49.17	85.5	.0646	.7538	18.51.4	G	10 12 „
7	34.209	21.61	84.4	49.16	85.4	.0643	.7537	18.51.6	G	11 12 „
8	34·689	21.71	84.1	49.15	85.0	.0670	.7530	18.51.2	G	Midnight.
9	34.631	21.63	84.0	49·15	84·9	.0646	.7536	18.51.4	C	1 12 a. m.
10	34.689	21.69	83.8	49.20	84.8	.0656	.7542	18 51.4	C	2 12 „
11	34.415	21.77	83.5	49.26	84.6	.0679	.7548	18.51.5	C	3 12 „
12	34·346	21.81	83·3	49.29	84.4	.0686	.7551	18.51.4	C	4 12 „
13	34.346	21.93	83.0	49.37	84.0	.0706	.7560	18.51.5	B	5 12 „
14	35.375	21.99	83.0	49.56	83.6	.0716	.7581	18.52.1	B	6 12 „
15	36.473	22.08	83.5	49.53	83.7	.0720	.7578	18.52.0	B	7 12 „
16	36.336	22.42	84.4	49.27	83.9	.0776	.7549	18.50.2	B	8 12 „
17	36.199	22.79	85.0	49.13	84.3	.0837	.7534	18.48.8	G	9 12 „
18	36.610	23·08	85.7	48·95	85.0	.0884	.7514	18.47.5	G	10 12 „
19	34.415	23.10	86.4	48.55	85.8	.0887	.7470	18.45·6	G	11 12 „
20	33.729	23.00	86.7	48.48	86.0	.0871	.7462	18.45.5	G	Noon.
21	34.003	22.91	87.3	48.66	87·0	.0857	.7482	18.46.4	C	1 12 p. m.
22	34.278	22.73	87.5	48.83	87.5	.0827	.7501	18.47.6	C	2 12 „
23	34·827	22·59	87.5	48.85	87.8	·0804	.7513	18.48.1	C	3 12 „
April 15th-Noon.	35.170	22.38	87.2	48·89	87.8	.0769	.7507	18.48.7	C	4 12 „
1	34.758	22.20	86.4	48.88	87.5	.0741	.7506	18.49.1	B	5 12 „
2	34.003	22.06	85.6	48.75	86.6	.0717	.7492	18.48.6	B	6 12 „
3	33.592	21.73	86.1	49.03	86.0	.0673	.7523	18.50.6	B	7 12 „
4	34.346	21.28	85.0	49.12	85.8	.0590	.7533	18.52.0	B	8 12 „
5	34.837	20.91	84.5	49.17	85.7	.0529	.7538	18.53.0	G	9 12 „
6	35.170	20.62	84.3	49.17	85.5	.0480	.7538	18.53.7	G	10 12 „
7	35.924	20·78	84.2	49.15	85.0	.0507	.7536	18.53.2	G	11 12 „
8	35.787	20.92	84.0	49.15	85.0	.0530	.7536	18.52.9	G	Midnight.
9	35.375	20.74	83.8	48.94	84.8	.0501	.7513	18.52.4	C	1 12 a. m.
10	35.718	20.95	83.6	48.84	84.6	.0535	.7502	18.51.4	C	2 12 „
11	36.336	21.11	83.4	48·91	84.4	.0561	.7510	19.51.5	C	3 12 „
12	35.444	20.86	83.1	49.22	84.1	.0520	.7544	18.53.3	C	4 12 „
13	35.238	21.04	83.0	49.56	83.6	.0550	.7581	18.54.3	B	5 12 „
14	36.473	20.82	82.6	49.63	83.5	.0513	.7589	18.55.2	B	6 12 „
15	35.856	21·07	82.6	49.56	83.5	.0554	.7581	18.54.3	B	7 12 „
16	35.856	21.14	83.4	49.26	83.7	.0566	.7548	18.52.9	B	8 12 „
17	34.827	21.81	84.7	49.14	84.8	.0686	.7535	18.50.8	G	9 12 „
18	32.769	22.00	86.0	48.97	85.5	.0707	.7516	18.49.8	G	10 12 „
19	30.505	22.11	86.6	48.58	86.0	.0725	.7473	18.47.8	G	11 12 „
20	30.436	21.82	87.0	48.80	86.8	.0687	.7498	18.49.6	G	Noon.
21	31.602	21·84	87.6	48.97	87.4	.0691	.7516	18.50.0	C	1 12 p. m.
22	31.877	21.69	87.6	49.14	88.0	·0656	.7535	18.51.2	C	2 12 „
23	33.660	21.33	87.6	49.32	88.4	.0597	.7554	18.52.7	C	3 12 „
April 16th-Noon.	34.346	21·45	87.4	49.45	88.3	.0617	.7569	18.52.9	C	4 12 „
1	34.346	21.31	86.8	49.20	88.2	.0594	.7542	18.52.3	B	5 12 „
2	33.798	21.03	85.6	48.98	87.5	.0548	.7517	18.51.9	B	6 12 „
3	34.072	21.04	85.2	49.08	86.6	.0550	.7528	18.52.3	B	7 12 „
4	33.935	21.33	84.9	49.28	86.1	.0597	·7550	18.52.6	B	8 12 „
5	33.935	21.18	84.5	49.37	85.7	.0572	·7560	18.53.3	G	9 12 „
6	34.141	21·12	84.0	49.36	85.2	.0562	.7559	18.53.4	G	10 12 „
7	34.837	21·47	83·7	49.47	85.0	.0620	.7571	18.53.0	G	11 12 „
8	35.170	21.11	83·4	49.64	84.6	.0561	.7590	18.54.6	G	Midnight.
9	35.375	21.78	83.2	49.63	84.3	.0681	.7589	18.53.0	C	1 12 a. m.
10	34.552	21.31	83.1	49.55	84.2	.0594	.7580	18.53.8	C	2 12 „
11	34.484	21.26	83.0	49.50	84.0	.0587	.7575	18.53.6	C	3 12 „

DAILY OBSERVATIONS, FROM 16TH TO 19TH APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.	°									h. m.
April 16th—12	34.346	21.25	82°9	49.53	84°0	8.0585	2.7578	18.53·7	C	4 12 a. m.
13	34·758	21.32	82.9	49.56	83.6	.0595	.7581	18.53.7	B	5 12 „
14	36.061	21.39	82.3	49.75	83.4	.0607	.7602	18·54.4	B	6 12 „
15	36.542	21.39	82·4	49.65	83.2	.0607	.7591	18.54.0	B	7 12 „
16	37.159	21.64	83.3	49.42	83.5	·0648	.7566	18·52.4	B	8 12 „
17	36.199	22.16	84.0	49.22	84.0	.0733	.7544	18.50.6	G	9 12 „
18	33.523	22.38	84.6	49.04	84·5	.0765	.7524	18·49.3	G	10 12 „
19	31.397	22.45	85.5	48.65	85.0	.0781	.7481	18.47.5	G	11 12 „
20	31.259	22.19	85.7	49.08	86.5	.0738	.7528	18.49.9	G	Noon.
21	31.877	21.68	86·0	49.29	86.2	.0654	.7551	18.51.9	C	1 12 p.m.
22	32.974	21.64	86·2	49.50	86.6	.0648	.7575	18.52.8	C	2 12 „
23	33.455	21.69	86·2	49.55	87.0	.0656	.7580	18.52.9	C	3 12 „
April 17th-Noon.	33.729	21.63	86.0	49·58	87.0	.0646	.7583	18.53·1	C	4 12 „
1	33.523	21.46	85.3	49.15	86.6	.0619	.7536	18.51.7	B	5 12 „
2	33.317	21.16	84.2	49.18	86.0	.0569	·7539	18·52.5	B	6 12 „
3	33.455	21.08	83.6	49.31	85·2	.0558	.7554	18·53·2	B	7 12 „
4	33.523	21.13	83.5	49.49	84.8	.0564	.7573	18.53·9	B	8 12 „
5	33.523	21.16	83.4	49.64	84.5	.0569	·7590	18.54.5	G	9 12 „
6	34.072	21.24	83.3	49.62	84.3	.0584	.7588	18.54·3	G	10 12 „
7	34.141	21.08	83.2	49.63	84.3	·0558	.7589	18.54.5	G	11 12 „
8	34.484	21.34	83.3	49·63	84.4	·0599	.7589	18.54.0	G	Midnight.
9	34.689	21.24	83.1	49.59	84.3	.0584	.7584	18.54.1	C	1 12 a. m.
10	34.484	21.33	83.0	49.53	84.0	.0598	.7578	18.53·6	C	2 12 „
11	34.141	21.37	82.9	49.52	84.0	.0603	.7577	18.53.6	C	3 12 „
12	33.729	21.41	82.9	49.52	83.9	.0611	.7577	18.53·5	C	4 12 „
13	34.072	21.20	82.5	49.75	83.3	.0577	.7600	18.54.8	B	5 12 „
14	34.837	21.32	82.6	49.85	83.3	·0595	.7613	18.55·0	B	6 12 „
15	36.473	21.36	83.0	49.71	83.5	·0602	·7597	18.54·4	B	7 12 „
16	36.130	21.60	83.6	49.16	83.6	.0641	.7537	18.51.6	B	8 12 „
17	34.758	21.83	84.5	48.98	84.5	.0689	.7517	18.50.1	G	9 12 „
18	33.249	22.43	85.4	48.46	85.3	.0778	.7460	18.46.7	G	10 12 „
19	31.945	22.57	86.2	48.67	85.7	.0800	.7483	18.47.3	G	11 12 „
20	31.122	22·46	86.8	48.84	86.5	.0781	.7502	18.48.3	G	Noon.
21	31.740	21.94	87.2	48.96	87.0	.0708	·7515	18.49.8	C	1 12 p.m.
22	32.769	21.46	87.3	49.29	87.5	.0619	.7551	18.52.3	C	2 12 „
23	33.660	21.35	87·5	49.29	88.1	.0600	.7551	18.52.6	C	3 12 „
April 19th-Noon.	34.484	21·69	88.6	48.99	89.5	.0656	.7518	18.50.5	B	4 12 „
1	34.003	21.70	88.3	48·88	89.2	.0668	.7506	18.49.9	B	5 12 „
2	33.866	21.27	87·0	48.91	88·5	.0588	·7510	18.51.1	B	6 12 „
3	33.592	21.23	86.1	49.08	87.5	.0582	.7528	18.52.0	B	7 12 „
4	34.003	21.19	85·5	49.21	87.0	·0574	.7543	18·52.7	B	8 12 „
5	34.484	21·20	85.2	49.21	86·9	.0577	.7543	18.52.6	G	9 13 „
6	34.827	21.08	84·9	49.20	86.6	.0555	.7542	18.52.7	G	10 12 „
7	34.827	20.91	84.5	49.37	86·2	.0529	.7560	18.53.8	G	11 12 „
8	34.758	20·92	84·3	49.48	86.0	.0530	.7572	18.54.2	G	Midnight.
9	34.827	20.87	84.1	49.49	85.7	.0521	.7573	18.54.4	C	1 12 a. m.
10	34·758	21.07	84.0	49.53	85.5	.0554	.7578	18.54.2	C	2 12 „
11	34·484	21·23	83.8	49.56	85.3	.0582	.7581	18.54.0	C	3 12 „
12	34.346	21.15	83.5	49.55	85.0	.0567	.7580	18.54.1	C	4 12 „
13	34·689	21·09	83·2	49.59	84.5	.0558	.7584	18.54.3	B	5 12 „
14	35.375	21.09	83.0	49.97	84.1	.0558	.7626	18.56.0	B	6 12 „
15	36.336	21.19	83.5	50.18	84.3	.0574	.7649	18.56.8	B	7 12 „
16	36·542	21.55	84.6	49.89	84.6	.0633	.7617	18.54.8	B	8 12 „
17	35.513	21.97	85.0	49.79	85.0	.0712	.7606	18·53.3	G	9 12 „
18	34.758	22.13	86·0	49.46	85.3	.0728	·7570	18.51.6	G	10 12 „
19	33·592	22·23	86.3	49.30	86.0	.0746	.7553	18.50.7	G	11 12 „
20	32.220	22.37	87.0	49.21	86.9	.0767	.7543	18·50·1	G	Noon.
21	32·426	22.05	87.5	49.33	87.5	·0715	.7556	18.51.3	C	1 12 p.m.
22	32.700	21.94	87.7	49.43	88.0	.0708	.7567	18.51·8	C	2 12 „
23	33.455	21.40	87.8	49.63	88.3	.0609	.7589	18.53.9	C	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 22ND APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
April 20th-Noon.	34·484	21.59	87·6	49.69	88·3	8.0640	2.7593	18°53.7	C	4 12 p. m.
1	34·278	21.52	87.0	49.50	88.3	.0628	.7575	18.53.1	B	5 12 „
2	33.935	21.26	86.4	49.53	87.6	.0587	.7578	18.53.7	B	6 12 „
3	34.072	21.07	86.1	49.67	87.4	.0554	.7593	18.54.8	B	7 12 „
4	34.346	21.05	85.8	49.66	86.9	.0551	.7592	18.54.7	B	8 12 „
5	34.552	21.20	85.3	49.59	86.3	.0577	.7584	18.54.1	G	9 12 „
6	34.415	21.13	85.2	49.67	86.2	.0564	.7593	18.54.7	G	10 12 „
7	34.484	21.07	85.0	49.69	86.2	.0554	.7595	18.54.9	G	11 12 „
8	34.415	21.10	85.0	49·74	86.2	.0559	.7601	18·55.0	G	Midnight.
9	34.209	21.36	84.8	49.75	86.0	.0602	.7602	18.54.5	C	1 12 a. m.
10	34.003	21.34	84.5	49.87	85·8	.0599	.7615	18.55.1	C	2 12 „
11	34.415	21.09	84.4	49.96	85.7	.0558	.7625	18.56.0	C	3 12 „
12	34.072	21.16	84.3	50.02	85.4	.0569	.7632	18.56.1	C	4 12 „
13	34.278	21.22	84.3	50.07	85.5	.0580	.7637	18.56.3	B	5 12 „
14	36.199	21.37	84.4	50.10	85.1	.0603	.7641	18.56.1	B	6 12 „
15	36.610	21.30	84.9	50.01	85.3	.0592	.7631	18.55.8	B	7 12 „
16	36.404	21.61	85.7	49.72	85.7	.0643	.7599	18.53.9	B	8 12 „
17	34.141	21.93	86.6	49.68	86.0	.0706	.7594	18.52.8	G	9 12 „
18	33·729	22.51	87.2	49.22	87.4	.0791	.7544	18.49.8	G	10 12 „
19	31.740	22.69	87.7	48·88	87.5	.0820	.7506	18.47.9	G	11 12 „
20	31.054	22.59	88.0	48.97	87.7	.0804	.7516	18.48.6	G	Noon.
21	31.740	22.24	88.4	49.35	88·1	.0748	.7558	18.50.9	C	1 12 p. m.
22	32.631	21.90	88.5	49.49	88·7	.0701	·7573	18.52.1	C	2 12 „
23	33.660	21.44	88.5	49.69	89.1	.0616	.7595	18.54.0	C	3 12 „
April 21st-Noon.	34.209	21.51	89.0	49.59	89.8	.0627	.7584	18.53.4	C	4 12 „
1	34.003	21.48	88.7	49.89	89.8	.0622	.7617	18.54.9	B	5 12 „
2	33.455	21.46	88.1	49.64	89.5	.0619	.7590	18.53.8	B	6 12 „
3	33.455	21.43	87.9	49.51	88.8	.0614	.7576	18.53.4	B	7 12 „
4	33.455	21.36	87.5	49.51	88.5	.0602	.7576	18.53.5	B	8 12 „
5	34.141	21.42	87.1	49.45	88.2	.0612	.7569	18.53.1	G	9 12 „
6	33.866	21.53	87.1	49.60	88.0	.0630	.7586	18.53.5	G	10 12 „
7	34.072	21.66	86.7	49.63	87·3	.0651	.7589	18.53.3	G	11 12 „
8	33.523	21.64	86.6	49.71	87.8	.0648	.7598	18.53.7	G	Midnight.
9	34.141	21.51	86.3	49.73	87.5	.0657	.7600	18.53.7	C	1 12 a.m.
10	34.141	21.47	86.1	49.73	87.4	·0620	.7600	18.54.2	C	2 12 „
11	33.798	21.54	85.9	49.73	87.4	.0632	.7600	18.54·1	C	3 12 „
12	33.592	21.51	85.6	49.76	87.2	.0627	.7603	18.54.2	C	4 12 „
13	34.072	21.44	85.5	49.85	86.5	.0616	.7613	18.54.7	B	5 12 „
14	35·170	21.47	85.1	49.95	86.5	.0620	.7624	18.55.1	B	6 12 „
15	36.404	21.44	85.6	49.85	86.5	.0616	.7613	18·54.7	B	7 12 „
16	36.199	21.70	86·4	49.55	86.7	.0668	.7580	18.52.8	B	8 12 „
17	36·199	22.13	87.0	49.23	87.5	.0728	·7545	18·50.7	G	9 12 „
18	34.141	22.40	87.4	49.03	87.7	.0773	·7523	18.49.3	G	10 12 „
19	33.249	22.82	88.5	48.74	88.0	.0841	·7491	18.47.1	G	11 12 „
20	32.700	22·82	89.0	48.87	89.0	.0841	.7505	18.47.7	G	Noon.
21	32.083	22.65	89.4	49.02	89.5	.0813	.7522	18.48.7	C	1 12 p. m.
22	32.563	22.31	89.8	49.30	90·0	.0758	.7553	18.50.6	C	2 12 „
23	33·386	22.00	90.0	49.43	90.4	.0707	.7567	18.51.8	C	3 12 „
April 22nd-Noon.	34.484	21.71	89.5	49.51	90.4	.0670	.7576	18.52.6	C	4 12 „
1	35.032	21.57	89.0	49.31	90.2	.0636	.7554	18.52.2	B	5 12 „
2	34.484	21.44	88.3	49.29	89.5	.0616	.7551	18.52.3	B	6 12 „
3	34.141	21.39	87.5	49.36	88.6	.0607	.7559	18.52.8	B	7 12 „
4	33.455	21.47	87·4	49.51	88.5	.0620	.7576	18.53.2	B	8 12 „
5	33·729	21.55	87.1	49.55	88.2	.0633	.7580	18.53.3	G	9 12 „
6	34.141	21.41	87.0	49.58	88.0	.0643	.7583	18.53.3	G	10 12 „
7	34.072	21.76	86.9	49.64	88.0	.0678	.7590	18.53.1	G	11 12 „
8	33.866	21.72	86·8	49.72	88.0	.0671	.7599	18.53.5	G	Midnight.
9	34.209	21·51	86.7	49.71	87.7	.0627	.7598	18.54.0	C	1 12 a. m.
10	34.484	21.52	86.5	49.64	87.5	.0628	.7590	18.53.7	C	2 12 „
11	34.552	21.78	86.5	49.64	87.4	.0679	.7590	18.53.1	B	3 12 „

DAILY OBSERVATIONS, FROM 22ND TO 24TH APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
April 22nd—12	34·621	21.66	86°5	49.70	87°4	8.0651	2.7597	18°53·7	B	4 12 a. m.
13	34.837	21.48	86.3	49.62	87.3	.0622	.7588	18.53.7	G	5 12 ,,
14	36.130	21.37	86.3	49.83	86.9	·0603	.7611	18.54.9	G	6 12 ,,
15	36.747	21·47	86.2	49.85	86.7	.0620	.7613	18.54.7	C	7 12 ,,
16	35.718	21.96	86.5	49.51	87.0	.0711	.7576	18·52.1	C	8 12 ,,
17	34·141	22.63	87.5	49.18	87.2	.0816	.7539	18.49.4	B	9 12 ,,
18	33·112	22.91	88.3	48.98	87.6	.0857	.7517	18.47.9	B	10 12 ,,
19	32.014	23.02	88·8	48.75	88.3	.0874	.7492	18.46.7	G	11 12 ,,
20	31.397	23.05	89.8	48.82	89.0	.0879	.7500	18.47.0	G	Noon.
21	31.740	22.80	90.1	48.88	89.7	.0838	·7506	18·47.7	C	1 12 p. m
22	32.563	22.54	90.2	49.08	90.2	.0796	.7508	18.49.1	C	2 12 ,,
23	33.455	22.30	90.3	49.37	90.5	.0756	.7560	18.50.8	B	3 12 ,,
April 23rd-Noon.	33.866	22.07	90.1	49.42	90.6	.0718	.7566	18.51 5	B	4 12 ,,
1	34.552	21.77	89.0	49.48	90.0	.0679	.7572	18.52.3	G	5 12 ,,
2	34.141	21.59	88.0	49.29	89.8	.0640	.7551	18.52.1	G	6 12 ,,
3	33.592	21.56	88.0	49.29	89.5	.0635	.7551	18.52.1	C	7 12 ,,
4	33.523	21.55	87.7	49.27	89.1	.0633	.7549	18.52.1	C	8 12 ,,
5	33.798	21.55	87.5	49.43	88.4	.0633	.7567	18.52.8	B	9 12 ,,
6	34.141	21.46	87.5	49.55	87.5	.0619	.7580	18.53.4	B	10 12 ,,
7	34.141	21.46	87.0	49.62	87.4	.0619	.7588	18.53.7	G	11 12 ,,
8	34.278	21.42	86.7	49.21	87.0	.0612	.7543	18.52.2	G	Midnight.
9	34.689	21.44	86.3	49.67	87.0	.0616	.7593	18.53.9	C	1 12 a. m.
10	34 689	21.44	86.3	49.64	86.8	.0616	.7590	18.53.8	C	2 12 ,,
11	34.484	21.42	86.2	49.70	86.8	.0612	.7597	18.54.3	C	3 12 ,,
12	34.689	21.44	85.3	49.68	86.0	.0616	.7594	18.53.9	C	4 12 ,,
13	34.278	21.55	85.3	49.78	86.0	.0633	.7605	18.54.3	B	5 12 ,,
14	36.199	21.66	85.6	49.93	86.1	.0651	.7622	18.54.6	B	6 12 ,,
15	37.914	21.78	86.0	49.93	86.1	.0681	.7622	18.54.3	B	7 12 ,,
16	38.257	22.13	86.2	49.64	86.2	.0728	.7590	18.52.4	B	8 12 ,,
17	35.993	22.71	87.0	49.62	87.2	.0824	.7588	18.51.1	G	9 12 ,,
18	34.484	23.00	87.8	49.23	87.5	.0871	.7545	18.48.9	G	10 12 ,,
19	33.729	23.08	88·5	48.78	88.0	.0884	.7495	18.46.8	G	11 12 ,,
20	32.563	23.09	89.3	48.77	88.9	.0886	.7494	18.46.5	G	Noon.
21	32.151	22.80	89.5	48.98	89.3	.0838	.7517	18.48.2	C	1 12 p. m
22	33.249	22.41	90.0	49.15	90.0	.0775	.7536	18.49.7	C	2 12 ,,
23	33.798	22.24	90.1	49.22	90.4	.0748	.7544	18.50.3	C	3 12 ,,
April 24th-Noon.	34.141	22.09	90.2	49.34	90.8	.0722	.7557	18.51.3	C	4 12 ,,
1	34.278	21.84	89.6	49.12	90.6	.0691	.7533	18.50.7	B	5 12 ,,
2	34.072	21.77	89.2	49.17	90.5	.0679	.7538	18.51.1	B	6 12 ,,
3	34.141	21.37	87.5	49.22	89.1	.0603	.7544	18.52.3	B	7 12 ,,
4	34.141	21.23	87.1	49.41	88.6	.0582	.7565	18.53.4	B	8 12 ,,
5	34.072	21.43	87.1	49.26	88 6	·0614	.7548	18.52.4	G	9 12 ,,
6	33.935	21.45	87.2	49.42	88.5	.0617	.7566	18.52.8	G	10 12 ,,
7	34.484	21.59	86.6	49.46	87.0	.0640	.7570	18.52.8	G	11 12 ,,
8	34.827	21.39	85.5	49.50	86 5	.0607	.7575	18 53.4	G	Midnight.
9	34.827	21.39	85.1	49.58	86.1	.0607	.7583	18.53.7	C	1 12 a. m.
10	35.170	21.51	84.5	49.67	85.6	.0627	.7593	18.53.8	C	2 12 ,,
11	35.238	21.39	84.1	49.68	85.1	.0607	.7594	18.54.1	C	3 12 ,,
12	35.513	21.35	84.0	49.80	84.8	.0600	.7608	18.54.8	C	4 12 ,,
13	34.484	21.28	84.0	49.84	84.5	.0590	.7612	18.55.0	B	5 12 ,,
14	34.895	21.23	84.0	50.03	84.4	.0582	.7633	18.56.1	B	6 12 ,,
15	36.404	21.58	84.1	49.93	84.4	.0638	.7622	18·54.8	B	7 12 ,,
16	36.199	21.90	85.0	49.75	84.9	.0701	.7602	18.53.2	B	8 12 ,,
17	34.964	22.36	86.0	49.86	85.7	.0766	.7614	18·52·8	G	9 12 ,,
18	33.523	22.66	87.0	49.40	86.8	.0815	.7564	18 50.1	G	10 12 ,,
19	31.397	22.79	87.8	48.88	87.3	.0837	.7506	18.47.8	G	11 12 ,,
20	30.916	22.74	88.3	49.00	87.8	.0829	.7520	18.48.4	G	Noon.
21	31.397	22.42	88.7	49.25	88.3	·0776	.7547	18.50.2	C	1 12 a. m.
22	32.769	22.13	89.0	49.39	89.0	·0728	.7562	18.51.2	C	2 12 ,,
23	33.249	22.11	89.2	49.40	89.3	.0725	·7564	18.51.3	C	3 12 ,,

DAILY OBSERVATIONS, FROM 26TH TO 28TH APRIL 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
April 26th-Noon.	34·141	21.86	89·5	49.22	90·1	8.0694	2.7544	18°51′1	B	4 12 p.m.
1	34.209	21.80	88.6	49.29	89·6	·0684	.7551	18.51.6	B	5 12 „
2	34.209	21.61	87.6	49.27	89·0	.0643	.7549	18.52.0	B	6 12 „
3	33.592	21.60	87.5	49.26	88·6	.0641	.7548	18.52.0	B	7 12 „
4	34·003	21.43	87.3	49.40	88·4	.0614	.7564	18.52.9	B	8 12 „
5	34.484	21.51	87.2	49.37	88·2	.0627	.7560	18.52.5	G	9 12 „
6	33.798	21.57	87.0	49.24	88·0	.0636	.7546	18.51.9	G	10 12 „
7	34.278	21.40	86.7	49.43	87·8	.0609	.7567	18.53.1	G	11 12 „
8	34.837	21·27	86.5	49.25	87·5	.0588	.7547	18.52.6	G	Midnight.
9	34.964	21.48	86.4	49.32	87.4	.0622	.7555	18.52.5	C	1 12 a. m.
10	35·170	21.74	86.3	49.22	87.3	.0675	.7544	18·51.3	C	2 12 „
11	34.837	21.47	86.2	49.23	87.2	.0620	.7545	18.52.1	C	3 12 „
12	34.837	21.48	86.1	49.34	87.1	.0622	.7557	18.52.6	C	4 12 „
13	35.513	21.47	86.0	49.45	86.7	.0620	·7569	18.52.9	B	5 12 „
14	35.581	21.71	85.6	49.50	86.5	.0670	.7575	18.52.6	B	6 12 „
15	36.885	21·63	86.0	49.48	86.6	.0646	.7572	18.52.6	B	7 12 „
16	36.885	21.82	87.0	49.27	87.2	.0687	.7549	18.51.3	B	8 12 „
17	36.747	22.02	87.5	49.33	87.8	.0710	.7556	18.51.5	G	9 12 „
18	35.513	22.37	88.2	49.10	88.0	.0767	.7531	18.49.6	G	10 12 „
19	33.455	22.30	88.3	48.75	88.4	.0756	.7492	18.48.1	G	11 12 „
20	32.760	22.54	89.0	48.56	88.5	.0796	.7471	18.46.8	G	Noon.
21	32.563	22.46	89.4	48.52	89.0	.0783	.7467	18.46.9	C	1 12 p. m.
22	32.769	22.29	89.7	48.66	89.5	.0756	.7482	18.47.7	C	2 12 „
23	33.455	22.23	90.1	48.82	90·1	.0746	.7500	18.48.6	C	3 12 „
April 27th-Noon.	33.798	22.12	90.1	48.74	90.4	.0736	.7491	18.48.4	C	4 12 „
1	34.278	21.80	89.4	48.81	90.4	.0684	.7499	18.49.5	B	5 12 „
2	34.484	21.59	88·2	48.79	89.5	.0640	.7496	18.49.9	B	6 12 „
3	34.346	21.55	87.8	48.92	89·0	.0633	.7511	18.50.6	B	7 12 „
4	33.866	21.55	87.5	49.04	88.6	.0633	.7524	18.51.1	B	8 12 „
5	34.141	21.50	87.2	49.26	88.5	.0625	.7548	18.52.1	G	9 12 „
6	34·415	21.36	87.2	49.25	88.3	.0602	.7547	18.52.5	G	10 12 „
7	34.141	21.36	87.0	49.25	88.3	.0602	.7547	18.52.5	G	11 12 „
8	34.484	21.41	87·0	49.24	88.0	.0611	.7546	18.52.3	G	Midnight.
9	34.689	21.38	86.8	49.13	87.7	.0605	.7534	18.51.8	C	1 12 a. m.
10	34.964	21.35	86.6	49·16	87.5	.0600	.7537	18.52.1	C	2 12 „
11	35.101	21.36	86.5	49.18	87.4	.0602	.7539	18.52.1	C	3 12 „
12	35.170	21.44	86.4	49.21	87.3	.0616	.7543	18.52.0	C	4 12 „
13	35.101	21.50	86.2	49.21	87.1	.0625	.7543	18.51.9	B	5 12 „
14	35.787	21.57	86.1	49.45	86.7	.0636	.7569	18.52.8	B	6 12 „
15	36.610	21.84	86.3	49.31	87·0	.0691	.7554	18.51.5	B	7 12 „
16	36·679	22.17	87.0	48.98	87.5	.0734	.7517	18.49.6	B	8 12 „
17	35.307	22.49	88.0	48.94	88.0	.0788	.7513	18.48.6	G	9 12 „
18	32.769	22.58	88.5	48.46	88.5	.0802	.7460	18.46.4	G	10 12 „
19	31.740	22.76	89.0	48.27	89.0	.0832	.7439	18.45.2	G	11 12 „
20	31.328	22.61	89.2	48.27	89.1	.0807	.7439	18.45.5	G	Noon.
21	31.740	22.32	89.5	48.44	89.6	.0759	.7458	18.46.9	C	1 12 p. m.
22	32.494	22.09	89.9	48.51	90.1	.0722	.7466	18.47.6	C	2 12 „
23	33.592	22.06	90.0	48.60	90.3	·0717	.7476	18.48.0	C	3 12 „
April 28th-Noon.	33.798	21.68	90.0	49.66	90.3	.0714	.7482	18.48.4	C	4 12 „
1	34.278	21.91	90.0	48.47	90.6	.0703	.7461	18.47.7	B	5 12 „
2	34.278	21.85	89.3	48.61	90·4	.0692	.7477	18.48.5	B	6 12 „
3	33.866	21.64	88.5	48.64	89.5	.0648	.7480	18.49.1	B	7 12 „
4	33.729	21·71	88.2	48.73	89.3	.0670	.7490	18.49.3	B	8 12 „
5	33.935	21.75	87.8	48.79	89.0	.0676	.7496	18.49.4	G	9 12 „
6	34.141	21.64	87.5	48.76	88.8	.0648	.7493	18.49.6	G	10 12 „
7	34.141	21.78	87.4	48.78	88.5	.0681	.7495	18.49.4	G	11 12 „
8	34.415	21.77	87.1	48.85	88.2	·0679	.7503	18.49.2	G	Midnight.
9	34.072	21.73	86.9	48.85	88.0	.0673	.7503	18.49.8	C	1 12 a. m.
10	34.552	21.66	86.5	48.90	87·6	.0651	.7509	18.50.2	C	2 12 „
11	34.827	21.67	86 2	48.93	87.4	.0652	.7212	18.50.3	C	3 12 „

DAILY OBSERVATIONS, FROM 28TH TO 30TH APRIL 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
APRIL 28TH— 12	34°621	21.74	86°1	48.96	87°2	8.0675	2.7515	18°50'2	C	4 12 a. m.
13	34.827	21.85	86.2	49.06	87.1	.0692	.7526	18.50.4	B	5 12 „
14	34.827	21.91	86.1	49.06	86.9	.0703	.7526	18.50.3	B	6 12 „
15	34.758	22.23	86.5	49.01	87.0	.0746	.7521	18.49.4	B	7 12 „
16	34.895	22.61	87.2	48.88	87.5	.0807	.7506	18.48.1	B	8 12 „
17	34.827	22.93	88.0	48.84	88.0	.0860	.7502	18.47.2	G	9 12 „
18	32.769	23.29	88.7	48.45	88.3	.0920	.7459	18.44.8	G	10 12 „
19	31.397	23.47	89.0	48.27	89.0	.0948	.7439	18.43.6	G	11 12 „
20	31.054	23.53	89.5	48.28	89.3	.0958	.7440	18.43.6	G	Noon.
21	31.465	23.41	90.0	48.38	89.8	.0939	.7451	18.44.3	C	1 12 p. m.
22	32.220	23.13	90.1	48.43	90.1	.0892	.7457	18.45.2	C	2 12 „
23	33.729	22.85	90.1	48.46	90.2	.0846	.7460	18.45.7	C	3 12 „
APRIL 29TH-Noon.	33.935	22.56	89.8	48.48	90.2	.0799	.7462	18.46.4	C	4 12 „
1	33.592	22.32	89.5	48.31	90.4	.0759	.7444	18.46.3	B	5 12 „
2	33.112	22.20	88.8	48.35	90.1	.0741	.7448	18.46.8	B	6 12 „
3	32.769	22.13	88.0	48.43	89.2	.0728	.7457	18.47.3	B	7 12 „
4	32.563	22.17	87.6	48.56	88.6	.0734	.7471	18.47.7	B	8 12 „
5	32.769	22.18	87.4	48.60	88.4	.0736	.7476	18.47.8	G	9 12 „
6	33.180	22.22	86.8	48.65	88.3	.0744	.7481	18.48.0	G	10 12 „
7	33.455	22.22	86.5	48.82	88.0	.0744	.7500	18.48.8	G	11 12 „
8	33.729	22.33	86.3	48.83	87.8	.0761	.7501	18.48.5	G	Midnight.
9	33.660	22.34	86.2	48.84	87.6	.0763	.7502	18.48.5	C	1 12 a. m.
10	34.415	21.76	85.8	48.96	87.3	.0678	.7515	18.50.2	C	2 12 „
11	34.484	21.80	85.4	49.02	87.1	.0684	.7522	18.50.4	C	3 12 „
12	34.484	21.92	85.3	49.06	86.9	.0704	.7526	18.50.3	C	4 12 „
13	34.484	22.07	85.4	49.05	86.5	.0718	.7525	18.50.0	B	5 12 „
14	35.170	22.40	85.8	48.99	86.2	.0773	.7518	18.49.1	B	6 12 „
15	35.924	22.49	85.6	48.99	86.3	.0788	.7518	18.48.7	B	7 12 „
16	35.375	22.69	86.2	48.75	86.5	.0820	.7492	18.47.3	B	8 12 „
17	34.837	22.91	87.0	48.71	87.0	.0857	.7488	18.46.7	G	9 12 „
18	34.072	22.59	87.8	48.45	87.8	.0804	.7459	18.46.4	G	10 12 „
19	33.249	22.34	88.3	48.44	88.0	.0763	.7458	18.46.9	G	11 12 „
20	32.769	21.93	88.8	48.38	88.5	.0706	.7451	18.47.3	G	Noon.
21	32.426	21.33	89.1	48.48	89.1	.0597	.7462	18.49.0	C	1 12 p. m.
22	33.317	21.02	89.5	48.56	89.5	.0546	.7471	18.50.0	C	2 12 „
23	34.415	21.11	89.8	48.62	90.2	.0561	.7478	18.50.2	C	3 12 „
APRIL 30TH-Noon.	34.827	21.35	89.6	48.60	90.1	.0600	.7476	18.49.6	C	4 12 „
1	34.484	21.46	89.1	48.50	90.0	.0619	.7465	18.48.9	B	5 12 „
2	34.072	21.21	88.1	48.53	89.2	.0579	.7468	18.49.6	B	6 12 „
3	33.798	21.35	87.5	48.61	88.5	.0600	.7477	18.49.7	B	7 12 „
4	33.660	21.11	87.0	48.74	88.1	.0561	.7491	18.50.7	B	8 12 „
5	34.621	21.11	86.7	48.82	88.0	.0561	.7500	18.51.1	G	9 12 „
6	33.798	21.37	86.5	48.93	87.5	.0603	.7512	18.51.0	G	10 12 „
7	34.141	21.38	86.3	49.00	87.4	.0605	.7520	18.51.3	G	11 12 „
8	33.798	21.13	86.0	49.03	87.0	.0564	.7523	18.52.0	G	Midnight.
9	34.484	21.43	86.0	48.92	87.0	.0614	.7511	18.50.9	C	1 12 a. m.
10	34.141	21.56	85.8	48.86	86.9	.0635	.7504	18.50.2	C	2 12 „
11	34.552	21.51	85.5	48.81	86.8	.0627	.7499	18.50.1	C	3 12 „
12	34.346	21.52	85.2	48.79	86.7	.0628	.7496	18.50.0	C	4 12 „
13	34.278	21.49	85.0	48.83	86.4	.0624	.7501	18.50.3	C	5 12 „
14	35.032	21.59	85.0	49.06	86.2	.0640	.7526	18.51.1	C	6 12 „
15	35.307	21.72	85.5	49.08	86.1	.0671	.7528	18.50.8	C	7 12 „
16	35.513	22.08	86.5	49.10	86.5	.0720	.7531	18.50.2	C	8 12 „
17	35.513	22.29	87.1	48.76	87.0	.0756	.7493	18.48.2	B	9 12 „
18	34.621	22.51	88.0	48.47	87.4	.0791	.7461	18.46.5	B	10 12 „
19	33.455	22.82	88.7	48.22	87.9	.0841	.7434	18.44.9	B	11 12 „
20	32.769	22.46	89.1	48.26	88.5	.0783	.7438	18.45.9	B	Noon.
21	33.729	22.06	89.5	48.47	89.0	.0717	.7461	18.47.4	C	1 12 p. m.
22	33.249	22.21	89.8	48.60	89.4	.0743	.7476	18.47.8	C	2 12 „
23	34.141	22.07	89.9	48.50	90.0	.0718	.7465	18.47.6	C	3 12 „

DAILY OBSERVATIONS, FROM 1ST TO 4TH, MAY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 1ST-Noon.	34'827	21.83	89°9	48.50	90°0	8.0689	2.7465	18°48'0	G	4 12 p. m.
1	34.689	21.66	89.4	48.33	90.0	.0651	.7446	18.47.9	C	5 12 ,,
2	34.484	21.24	88.4	48.41	89.5	.0584	.7455	18.49.2	C	6 12 ,,
3	34.484	21.02	87.7	48.49	89.0	.0546	.7463	18.49.7	C	7 12 ,,
4	34.621	20.95	87.2	48.58	88.2	.0535	.7473	18.56.3	C	8 12 ,,
5	34.072	21.04	86.6	48.68	87.6	.0550	.7484	18.50.5	B	9 12 ,,
6	34.072	21.29	86.6	48.83	87.5	.0592	.7501	18.50.7	B	10 12 ,,
7	34.003	21.59	86.6	48.77	87.3	.0640	.7494	18.49.8	B	11 12 ,,
8	34.003	21.62	86.2	48.86	87.1	.0644	.7504	18.50.2	B	Midnight.
9	34.415	21.58	85.9	48.91	87.0	.0638	.7510	18.50.5	G	1 12 a. m.
10	35.444	21.63	85.5	48.98	86.5	.0646	.7517	18.50.6	G	2 12 ,,
11	35.513	21.64	85.2	48.89	86.4	.0648	.7507	18.50.2	G	3 12 ,,
12	35.444	21.67	84.9	48.97	86.2	.0652	.7516	18.50.5	G	4 12 ,,
13	35.170	21.81	84.6	49.07	86.1	.0686	.7527	18.50.5	C	5 12 ,,
14	36.336	21.72	84.3	49.16	85.7	.0671	.7537	18.51.2	C	6 12 ,,
15	36.953	21.88	84.7	49.16	85.4	.0697	.7537	18.50.8	C	7 12 ,,
16	35.787	22.36	85.9	49.19	86.3	.0766	.7540	18.50.0	C	8 12 ,,
17	35.032	22.69	86.7	48.80	86.6	.0820	.7498	18.47.6	G	9 12 ,,
18	34.141	22.56	87.5	48.43	87.5	.0799	.7457	18.46.4	G	10 12 ,,
19	33.386	22.64	88.0	48.11	87.8	.0812	.7422	18.44.8	G	11 12 ,,
20	33.112	22.85	88.5	48.15	88.3	.0802	.7426	18.45.1	G	Noon.
21	33.317	22.28	89.1	48.12	89.0	.0754	.7423	18.45.6	B	1 12 p. m.
22	33.729	22.12	89.3	48.13	89.3	.0726	.7424	18.45.9	B	2 12 ,,
23	33.935	22.13	89.4	48.14	89.7	.0728	.7425	18.16.0	B	3 12 ,,
MAY 3RD-Noon.	35.650	22.08	88.8	48.39	89.7	.0720	.7452	18.47.1	G	4 12 ,,
1	35.375	22.18	88.4	48.44	89.5	.0736	.7458	18.47.2	C	5 12 ,,
2	35.375	21.78	87.3	48.48	89.1	.0681	.7462	18.48.0	C	6 12 ,,
3	34.895	21.59	87.0	48.60	88.6	.0640	.7476	18.49.1	C	7 12 ,,
4	34.895	21.58	86.6	48.71	88.1	.0638	.7488	18.49.6	C	8 12 ,,
5	34.837	21.61	86.5	48.83	87.5	.0643	.7501	18.50.1	B	9 12 ,,
6	34.837	21.62	86.3	48.87	87.4	.0644	.7505	18.50.3	B	10 12 ,,
7	34.964	21.72	86.0	48.97	87.2	.0671	.7516	18.50.3	B	11 12 ,,
8	34.895	21.71	85.8	48.95	86.6	.0670	.7514	18.50.2	B	Midnight.
9	35.101	21.59	85.2	48.97	86.4	.0640	.7516	18.50.7	G	1 12 a. m.
10	35.101	21.55	85.0	48.99	86.4	.0633	.7518	18.50.9	G	2 12 ,,
11	35.101	21.55	85.0	49.11	86.3	.0633	.7532	18.51.4	G	3 12 ,,
12	34.837	21.75	85.0	49.08	86.1	.0676	.7528	18.50.7	G	4 12 ,,
13	34.964	21.76	84.9	49.15	86.0	.0678	.7536	18.51.0	C	5 12 ,,
14	36.061	21.77	84.8	49.30	85.9	.0679	.7553	18.51.7	C	6 12 ,,
15	37.296	21.94	85.2	49.37	86.1	.0708	.7560	18.51.5	C	7 12 ,,
16	37.090	22.41	86.1	49.20	86.5	.0775	.7542	18.49.9	C	8 12 ,,
17	36.130	22.71	87.0	48.81	87.0	.0824	.7499	18.47.6	B	9 12 ,,
18	34.141	23.18	88.1	48.48	87.5	.0900	.7462	18.45.1	B	10 12 ,,
19	32.974	23.29	88.5	48.11	87.9	.0920	.7422	18.43.3	B	11 12 ,,
20	32.769	23.00	88.6	48.00	88.4	.0871	.7410	18.43.6	B	Noon.
21	33.112	22.80	88.9	47.96	88.7	.0838	.7405	18.43.8	G	1 12 p. m.
22	33.935	22.57	89.0	48.12	89.3	.0800	.7423	18.45.0	G	2 12 ,,
23	35.032	22.33	88.8	48.48	89.4	.0761	.7462	18.46.9	G	3 12 ,,
MAY 4TH-Noon.	35.993	22.04	88.3	48.88	89.3	.0714	.7506	18.49.4	G	4 12 ,,
1	36.336	21.81	87.8	48.86	89.1	.0686	.7504	18.49.5	C	5 12 ,,
2	36.061	21.59	87.1	48.74	88.4	.0640	.7491	18.49.7	C	6 12 ,,
3	35.375	21.57	86.4	48.72	87.9	.0636	.7489	18.49.6	C	7 12 ,,
4	34.689	21.64	86.3	48.80	87.5	.0648	.7498	18.47.8	C	8 12 ,,
5	35.238	21.58	86.1	48.92	87.2	.0638	.7511	18.50.5	B	9 12 ,,
6	34.964	21.59	86.1	48.96	87.1	.0640	.7515	18.50.7	B	10 12 ,,
7	35.101	21.74	86.0	49.01	86.9	.0675	.7521	18.50.4	B	11 12 ,,
8	34.895	21.75	85.7	49.10	86.8	.0676	.7531	18.50.8	B	Midnight.
9	35.170	21.70	85.3	49.20	86.5	.0668	.7542	18.51.3	G	1 12 a. m.
10	35.101	21.65	85.0	49.19	86.4	.0649	.7540	18.51.3	G	2 12 ,,
11	35.170	21.70	85.0	49.18	86.1	.0668	.7539	18.51.2	G	3 12 ,,

DAILY OBSERVATIONS, FROM 4TH TO 6TH MAY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
May 4th—12	34·484	21.82	84·9	49.18	86·0	8.0687	2.7539	18°50′9	G	4 12 a. m.
13	35.101	21.89	84.8	49.29	86·0	.0699	.7551	18.51.3	C	5 12 „
14	36.061	21.90	84·6	49.47	85.7	.0701	.7571	18.52.0	C	6 12 „
15	37.159	22.01	84.9	49.50	85.8	.0709	.7575	18.52·1	C	7 12 „
16	37.571	22.50	85.7	49.20	86·3	.0789	.7542	18.49·7	C	8 12 „
17	35.924	22.97	87.0	48·71	86.9	.0866	.7488	18·46.6	B	9 12 „
18	33.660	23.23	87.5	48.22	87.4	.0910	.7434	18.44.0	B	10 12 „
19	32.426	23·30	88.1	48.38	87.8	.0920	.7451	18·44.5	B	11 12 „
20	32.288	23·30	88.3	48.49	88.1	.0920	.7464	18.44.9	B	Noon.
21	33.455	23.00	88·8	48.66	88.9	.0871	.7482	18.46.3	G	1 12 p. m.
22	33.935	22.70	88.8	48.75	89.0	.0827	.7492	18.47.2	G	2 12 „
23	34·346	22.63	88.8	48.78	89.3	.0810	.7495	18.47.7	G	3 12 „
May 5th-Noon.	34.621	22.38	88.5	48.88	89.3	·0769	.7506	18.48.6	G	4 12 „
1	34.758	22 15	88.1	48.78	88.9	.0731	.7495	18·48.7	C	5 12 „
2	34.689	21.94	87.4	48·75	88.4	.0708	.7492	18.48 8	C	6 12 „
3	34.278	21.89	86.7	48.83	88.0	.0699	.7501	18.49.3	C	7 12 „
4	34.209	21·95	86.4	48.91	87.8	.0709	.7510	18.49.6	C	8 12 „
5	34.552	21.87	86·3	49.06	87.5	.0695	.7528	18.50.4	B	9 12 „
6	34.689	21.90	86.1	49.07	87.3	·0701	.7527	18.50.4	B	10 12 „
7	34·552	21.95	86.1	49.06	87.1	.0709	.7526	18.50.2	B	11 12 „
8	34.278	22.03	86.0	49.06	87.0	.0712	.7526	18.50.2	B	Midnight.
9	34.415	22.01	85.9	49·06	87.0	.0709	.7526	18.50.2	G	1 12 a. m.
10	34.758	21.96	85.5	49.12	86.8	.0711	.7533	18.50.5	G	2 12 „
11	34.278	22.02	85.1	49·10	86.5	.0710	·7531	18.50.4	G	3 12 „
12	34.895	22.05	85.0	49.18	86.0	.0715	.7539	18.50.5	G	4 12 „
13	34.827	21.99	84.9	49.18	85.9	.0716	.7539	18.50.5	C	5 12 „
14	35.787	22.12	84.8	49.34	85.7	.0726	.7557	18·51.2	C	6 12 „
15	37.090	22.32	85.2	49.27	86.0	.0759	.7549	18.50.4	C	7 12 „
16	36.885	22.48	85.9	49.19	86.4	.0786	.7540	18.49.7	C	8 12 „
17	35.238	22.86	87.0	48.76	86.9	.0848	.7493	18.47.0	B	9 12 „
18	33.386	23.07	87.7	48·33	87.5	.0882	.7446	18.44.9	B	10 12 „
19	31·808	23.10	88.2	48.24	87.9	.0887	.7436	18.44.3	B	11 12 „
20	31.122	23.06	88.8	48.35	88.4	.0881	.7448	18.45.0	B	Noon.
21	32.083	22.82	88.9	48·40	88.5	.0841	.7454	18.45.7	G	1 12 p. m.
22	32.700	22.81	89.0	48.46	88.7	.0840	.7460	18.45.9	G	2 12 „
23	33.249	22·34	89.0	48.56	89.4	.0763	.7471	18·47.3	G	3 12 „
May 6th-Noon.	34.141	22.35	88.8	48.79	89·5	.0764	.7496	18.48.3	G	4 12 „
1	34.689	21.99	88.2	48.80	89.4	·0716	.7498	18.48.9	C	5 12 „
2	34.689	21.90	87.5	48·76	89.0	·0701	.7493	18.49.0	C	6 12 „
3	34.621	21.96	87.0	48.73	88.4	.0711	.7470	18.48.8	C	7 12 „
4	34.141	21.96	86·7	48.83	87.9	.0711	.7501	18.49.2	C	8 12 „
5	34.278	21.92	86.5	48.98	87.5	.0704	.7517	18.50.0	B	9 12 „
6	33.180	21.87	86.2	49.02	87.2	.0695	.7522	18.50.1	B	10 12 „
7	33.317	21.90	86.1	49·06	87.1	.0701	·7526	18·50.3	B	11 12 „
8	34.455	22.00	86.1	49.11	87.0	.0707	.7532	18·50.4	B	Midnight.
9	33.935	21·79	85.8	49.20	86.8	.0683	.7542	18.51.2	G	1 12 a. m.
10	33.866	21·81	85.6	49.20	86.8	·0686	.7542	18.51.0	G	2 12 „
11	33.729	21.84	85.5	49·20	86.5	.0691	.7542	18.51.0	G	3 12 „
12	33·798	21·92	85.4	49.19	86.4	.0704	.7540	18·50.9	G	4 12 „
13	33.866	21.85	85.2	49.23	86.3	.0692	.7545	18.51.2	C	5 12 „
14	34.827	21.94	85.0	49.26	86.1	.0708	.7548	18.51.1	C	6 12 „
15	36·542	22.08	85.5	49·36	86.4	·0720	.7559	18.51.3	C	7 12 „
16	36.747	22.49	86.3	49·24	87.0	.0788	.7546	18·49·9	C	8 12 „
17	35.375	23.12	87.3	48.72	87.2	.0890	.7489	18.46.3	B	9 12 „
18	33.180	23·33	88.0	48.23	87.6	.0925	.7435	18.43.8	B	10 12 „
19	31.808	23.36	88.4	48.09	88.1	.0930	·7419	18.43·1	B	11 12 „
20	31.122	23.26	88.6	48.11	88·5	.0915	.7422	18.43.3	B	Noon.
21	31.602	23.16	89.2	47.75	88·9	.0897	.7382	18.42.0	G	1 12 p. m.
22	32.563	23.00	89.7	48.29	89·5	.0871	.7441	18.44.8	G	2 12 „
23	33.386	22.55	89.8	48.59	90.3	.0797	.7474	18.46·9	G	3 12 „

DAILY OBSERVATIONS, FROM 7TH TO 10TH MAY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
May 7th-Noon.	34'415	22.39	89°3	48.82	90°5	8.0771	2.7500	18°48'4	G	4 12 p. m.
1	34.621	22.09	89.1	48.83	90.4	.0722	.7501	18.49.0	C	5 12 „
2	34.895	21.85	88.5	48.67	90.0	.0692	.7483	18.48.7	C	6 12 „
3	33.112	21.60	87.9	48.60	89.5	.0641	.7476	18.49.1	C	7 12 „
4	33.249	21.51	87.4	48.65	88.7	.0627	.7482	18.49.4	C	8 12 „
5	33.180	21.51	87.0	48.74	88.0	.0627	.7491	18.49.8	B	9 12 „
6	34.141	21.73	86.9	48.78	87.6	.0673	.7495	18.49.5	B	10 12 „
7	33.798	21.81	86.6	48.93	87.6	.0686	.7512	18.49.8	B	11 12 „
8	33.798	21.74	86.5	48.96	87.4	.0675	.7515	18.50.2	B	Midnight.
9	33.798	21.70	86.3	49.01	87.0	.0668	.7521	18.50.5	G	1 12 a. m.
10	33.455	21.68	86.0	49.00	86.6	.0654	.7520	18.50.7	G	2 12 „
11	33.455	21.73	85.8	49.08	86.5	.0673	.7528	18.50.8	G	3 12 „
12	33.798	21.74	85.7	49.09	86.3	.0675	.7529	18.50.7	G	4 12 „
13	33.798	21.69	85.3	49.10	86.2	.0656	.7531	18.51.0	C	5 12 „
14	35.170	21.91	85.2	49.19	86.1	.0703	.7540	18.50.9	C	6 12 „
15	36.542	22.06	85.9	49.38	86.6	.0717	.7561	18.51.3	C	7 12 „
16	36.885	22.43	86.8	49.42	87.1	.0778	.7566	18.50.8	C	8 12 „
17	34.621	22.74	87.7	48.22	87.4	.0829	.7434	18.45.0	B	9 12 „
18	32.151	23.03	88.6	47.94	88.1	.0876	.7403	18.43.2	B	10 12 „
19	30.916	23.18	89.5	48.02	88.9	.0900	.7412	18.43.4	B	11 12 „
20	30.848	23.09	90.0	48.14	89.5	.0886	.7425	18.43.9	B	Noon.
21	31.534	23.01	90.5	48.30	90.0	.0873	.7443	18.44.9	G	1 12 p. m.
22	31.808	22.96	90.9	48.32	90.5	.0865	.7445	18.45.0	G	2 12 „
23	32.083	22.71	91·1	48.33	91.0	.0824	.7446	18.45.6	G	3 12 „
May 8th-Noon.	32.769	22.53	91.0	48.54	91.2	.0794	.7469	18.46.8	G	4 12 „
1	33.317	22.27	90.5	48.47	91.2	.0767	.7461	18.46.8	C	5 12 „
2	33.317	22.16	89.6	48.53	90.7	.0733	.7468	18.47.6	C	6 12 „
3	33.043	22.03	88.8	48.48	89.8	.0712	.7462	18.47.6	C	7 12 „
4	32.083	22.41	88.1	48.53	89.1	.0775	.7468	18.47.0	C	8 12 „
5	32.494	22.20	87.6	48.75	88.4	.0741	.7492	18.48.4	B	9 12 „
6	32.769	22.02	87.4	48.98	87·8	.0710	·7517	18.49.9	B	10 12 „
7	32·837	21.90	87.2	49.08	87.6	.0701	.7528	18.50.4	B	11 12 „
8	33.455	22.18	87.1	49.08	87.5	.0736	.7528	18.49.9	B	Midnight.
9	33.455	21.86	87.0	49.12	87.2	.0694	.7533	18.50.7	G	1 12 a. m.
10	34.484	21·72	86.5	49.12	87·2	.0671	.7533	18.51.0	G	2 12 „
11	34.141	21.58	86.0	49.11	87.0	·0638	.7532	18·51.3	G	3 12 „
12	33·523	21.81	85·8	49.02	86.6	.0686	.7522	18.50.2	G	4 12 „
13	33.592	21.37	85.6	49.10	86·4	.0603	.7531	18.51.8	C	5 12 „
14	34.415	21.47	85.5	49.10	86.1	.0620	.7531	18·51.5	C	6 12 „
15	35.513	21.31	86.1	49.20	86.6	.0594	.7542	18.52.3	C	7 12 „
16	35·101	22.45	86.9	49.24	87.1	.0781	.7546	18.50.2	C	8 12 „
17	34.141	22.75	87·6	48.48	87.5	.0830	.7562	18.46·0	B	9 12 „
18	32.357	22.95	88.4	48.29	88.0	.0863	.7441	18.44.9	B	10 12 „
19	31.534	22.70	89.1	48.21	88.5	.0822	.7433	18.45.1	B	11 12 „
20	30.573	22.92	89.6	48.18	89.4	.0858	.7424	18.44.2	B	Noon
21	31.054	22.66	90.0	48.20	90.0	.0815	.7432	18.45.0	G	1 12 p. m.
22	32.083	22.24	90.5	48.41	90.3	.0748	.7455	18.46.9	G	2 12 „
23	32.769	22.01	90.6	48.52	90.8	.0709	.7467	18.47.9	G	3 12 „
May 10th-Noon.	34.689	22.02	90.6	48.39	91.3	.0710	.7452	18.47·3	B	4 12 „
1	34.346	21.78	89.1	48.52	90·5	.0681	.7467	18.48.3	B	5 12 „
2	33.660	21.65	88.2	48.50	89.8	.0649	.7465	18.48.5	C	6 12 „
3	33.455	21.55	87.5	48.56	89.1	.0633	.7476	18.49.3	C	7 12 „
4	33.386	21.47	87.0	48.65	88.5	.0621	.7481	18.49·5	C	8 12 „
5	33.249	21.49	86.6	48.79	88.0	.0624	·7496	18.50.1	B	9 12 „
6	33.455	21.58	86.4	48.93	87.5	.0638	·7512	18.50.5	B	10 12 „
7	33.660	21.55	86.1	48.95	87.5	.0633	.7514	18.50.7	B	11 12 „
8	33.317	21·63	86.0	49.02	87.4	.0646	·7522	18·50.7	B	Midnight.
9	33.455	21·66	85.6	49.05	87.0	.0651	.7525	18.50.9	G	1 12 „
10	33.455	21.65	85.0	49.11	86.9	.0649	.7532	18.51.1	G	2 12 „
11	33.523	21.63	84.8	49.10	86.7	.0646	.7531	18.51.1	G	3 12 „

DAILY OBSERVATIONS, FROM 10TH TO 12TH MAY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
May 10th—12	33'592	21.66	84°8	49.20	86°5	8.0651	2.7542	18°51'5	G	4 12 a. m.
13	33.455	21.68	84·6	49.28	86.2	.0654	.7550	18.51.9	C	5 12 „
14	34.964	21.66	84·5	49.33	86·0	.0651	.7556	18.52.1	C	6 12 „
15	35.924	22.04	85.1	49.27	86·1	.0714	.7551	18.51.2	C	7 12 „
16	35.375	22.44	86.3	49.21	86.7	.0780	.7543	18.50.0	C	8 12 „
17	33.455	22.63	87.1	48.48	87.1	.0810	.7460	18.46.3	B	9 12 „
18	31.122	22.97	87.6	48.38	87.6	.0866	.7451	18.45.2	B	10 12 „
19	30·642	23.06	88.5	48.49	87.9	.0881	.7463	18.45.5	B	11 12 „
20	30.779	23.05	89.1	48.71	88·5	.0879	.7488	18.46.5	B	Noon.
21	32.083	22.96	89.5	48.77	89.0	.0865	.7494	18.46.8	G	1 12 a. m.
22	32.769	22.71	89.8	48.87	89.5	.0824	.7505	18.47.9	G	2 12 „
23	33.866	22.56	89.8	48·90	90.0	.0799	.7509	18.48.3	G	3 12 „
May 11th-Noon.	34.415	22.25	89.8	48.81	90.3	.0749	.7499	18.48.5	G	4 12 „
1	34.003	21.97	89.1	48.61	90.1	.0712	.7477	18.48.3	C	5 12 „
2	33.112	21.89	88.1	48.59	89.6	.0699	.7474	18.48.2	C	6 12 „
3	32.906	21.84	87.4	48.55	88.9	.0691	.7470	18.48.2	C	7 12 „
4	32.837	21.87	87.0	48.50	88.4	.0695	.7465	18.47.9	C	8 12 „
5	33.180	21.62	86.6	48.73	87.6	.0644	.7490	18.49.7	B	9 12 „
6	32.794	21.65	86.6	48.98	87.6	.0649	.7517	18.50.6	B	10 12 „
7	32.794	21.74	86.6	49.08	87.5	.0675	.7528	18.50.7	B	11 12 „
8	33.180	21.62	86.2	49.17	87.2	.0644	.7538	18.51.6	B	Midnight.
9	33.729	21.84	86.0	49.21	87·0	.0691	.7543	18.51.1	G	1 12 a. m.
10	33.112	21.79	85.2	49.05	86.5	.0683	.7525	18.50.6	G	2 12 „
11	33.112	21.68	84.9	48.99	86.2	.0654	.7518	18.50.6	G	3 12 „
12	33.455	21.75	84.7	49.18	86.0	.0676	.7539	18.51.1	G	4 12 „
13	34·689	21.86	84.5	49.29	85.9	.0694	.7551	18.51.4	C	5 12 „
14	35·856	21.94	84.3	49.38	85.5	.0708	.7561	18.51.5	C	6 12 „
15	36.953	22.06	85.2	49.33	85.9	.0717	.7556	18.51.2	C	7 12 „
16	36.267	22.27	85.9	49.31	86.3	.0762	.7554	18.50.6	C	8 12 „
17	34.552	22.57	86.5	48.45	86.6	.0800	.7459	18.46.4	B	9 12 „
18	32.563	22.86	87.5	48.22	87.3	.0848	.7434	18.44.7	B	10 12 „
19	31.877	22.77	88.0	48·18	87.8	.0833	.7429	18.44.8	B	11 12 „
20	31.259	22.60	88.5	48.17	88.4	.0805	.7428	18.45.1	B	Noon.
21	31.054	22.53	88.8	48.27	89.0	.0778	.7439	18.45.9	G	1 12 p. m.
22	32.083	22.44	89.0	48.33	89.4	.0763	.7446	18.46.4	G	2 12 „
23	32.769	22.17	89.0	48.39	89.7	.0734	.7452	18.47.0	G	3 12 „
May 12th-Noon.	33.866	21.85	88.9	48.29	89.8	.0692	.7441	18.47.1	G	4 12 „
1	33.112	21.44	88.3	48.57	89.4	.0616	.7474	18.49.2	C	5 12 „
2	33.660	21.14	87.5	48.68	89.0	.0566	.7484	18.50.3	C	6 12 „
3	33.455	20.97	86.9	48.76	88.5	.0538	.7493	18.51.1	C	7 12 „
4	32.906	21.17	86.5	48.83	88.0	.0570	.7501	18.51.0	C	8 12 „
5	33.112	21.25	86.1	48.98	87.6	.0587	.7517	18.51.4	B	9 12 „
6	33.180	21.36	85.6	49.07	87.3	.0602	.7527	18.51.7	B	10 12 „
7	33.798	21.61	85.6	49.06	87.0	.0643	.7526	18.51.1	B	11 12 „
8	33.798	21.64	85.5	49.15	86.8	.0648	.7536	18.51.3	B	Midnight.
9	33.798	21.51	85.3	49.15	86.5	.0627	.7536	18.51.7	G	1 12 a. m.
10	33.798	21.70	85.0	49.18	86.0	.0668	.7539	18.51.2	G	2 12 „
11	34.141	21.68	84.9	49.20	86.0	.0654	.7542	18.51.5	G	3 12 „
12	33.798	21.66	84.5	49.17	85.5	.0651	.7538	18.51.4	G	4 12 „
13	34.484	21.71	84.4	49.16	85.4	.0670	.7537	18.51.2	C	5 12 „
14	35.856	21.48	84.3	49.35	85.3	.0622	.7558	18.52.6	C	6 12 „
15	35.924	21.70	84.8	49.27	85.5	.0668	.7549	18.51.6	C	7 12 „
16	36.199	22.10	85.7	49.20	86.1	.0723	.7542	18.50.6	C	8 12 „
17	34.552	22.58	86.6	48.40	86.5	.0802	.7454	18.46.2	B	9 12 „
18	32·837	22.72	87.4	48.21	87.1	.0825	.7433	18.45.0	B	10 12 „
19	30.985	22.77	88.1	47.98	87.6	.0833	.7407	18.44.0	B	11 12 „
20	29.887	22.66	88.6	47.95	88.2	.0815	.7404	18.43.9	B	Noon.
21	29.750	22.67	89.0	48.01	89.0	.0816	.7411	18.44.2	G	1 12 p. m.
22	30.715	22.52	89.2	48.09	89.5	.0792	.7419	18.44.9	G	2 12 „
23	32.563	22.30	89.2	48.29	89.8	.0756	74.41	18.46.2	G	3 12 „

DAILY OBSERVATIONS, FROM 13TH TO 15TH MAY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 13TH-Noon.	32·769	21.70	88·9	48.50	89·9	8.0668	2.7465	18°48'3	G	4 12 p. m.
1	33.386	21.50	88.2	48.70	89.5	.0625	.7437	18.49.7	C	5 12 „
2	33.249	21·58	87.4	48.69	89·0	.0638	.7485	18.49.5	C	6 12 „
3	32·700	21.56	86.7	48.74	88.3	.0635	·7491	18.49.7	C	7 12 „
4	32.769	21,53	86.3	48.83	87.7	.0630	.7501	18.50.2	C	8 12 „
5	33.180	21.42	86.2	48.96	87.1	.0612	.7515	18.51.1	B	9 12 „
6	33.317	21.44	85.8	48.96	87.1	.0616	.7515	18.50.9	B	10 12 „
7	34.072	21.31	85.6	49.05	86.7	.0594	.7525	18.51.7	B	11 12 „
8	33.935	21.24	85.5	49.15	86.5	.0584	.7536	18.52.4	B	Midnight.
9	34.072	21.24	85.0	49.17	86.3	.0584	.7538	18.52.4	G	1 12 a. m.
10	34.141	21.28	84.9	49.18	86.1	.0590	.7539	18.52.2	G	2 12 „
11	34.758	21.40	84.7	49.18	86·0	.0609	.7539	18.52.0	G	3 12 „
12	34.484	21·22	84.6	49.18	85.9	.0580	.7539	18.52.4	G	4 12 „
13	34.484	21.36	84.5	49.29	85.7	.0602	.7551	18.52.6	C	5 12 „
14	34·689	21.32	84.3	49.46	85.5	.0595	.7570	18.53.3	C	6 12 „
15	35.444	21.67	84.8	49.44	85.6	.0652	.7568	18.52.4	C	7 12 „
16	35·513	21.53	85·4	49.36	86.1	.0630	·7559	18.52·5	C	8 12 „
17	34.072	22.30	86.5	48.75	86·5	.0756	.7492	18.48.1	B	9 12 „
18	33.180	22.20	87.5	48.77	87.4	.0741	.7494	18.48.5	B	10 12 „
19	32.083	22.36	88.0	48.58	87.7	.0766	.7473	18.47.3	B	11 12 „
20	31·671	22.25	88.5	48.60	88.2	.0749	.7476	18.47·6	B	Noon.
21	32.357	22·17	88.8	48.76	88.8	.0734	.7493	18.48.6	G	1 12 p. m.
22	32.769	21.97	88.8	48·77	89.0	.0712	.7494	18.48.9	G	2 12 „
23	32.769	21.79	88.8	48.79	89.5	.0683	.7497	18.49.1	G	3 12 „
MAY 14TH-Noon.	32.769	21.74	88.3	48.79	89.5	.0675	.7496	18.49.4	G	4 12 „
1	33.180	21.43	87.6	48·84	89·1	·0614	.7502	18.50.5	C	5 12 „
2	33.935	21.32	86.8	48.93	88.5	.0595	.7512	18.51.0	C	6 12 „
3	33·798	21.32	86.2	48.94	88·1	.0595	.7513	18.51.1	C	7 12 „
4	33.866	21.33	86.0	49.12	87.5	.0597	.7533	18.51.9	C	8 12 „
5	34.003	21.28	86.0	49.16	87.0	.0590	.7537	18.52.2	B	9 12 „
6	34.278	21.21	85.6	49.20	86.6	.0579	.7542	18.52.5	B	10 12 „
7	34.141	21.34	85.5	49.20	86.5	.0599	.7542	18.52.2	B	11 12 „
8	34.552	21·45	85.3	49.20	86.5	.0617	.7542	18·51.9	B	Midnight
9	34.689	21.35	85.0	49.19	86·2	.0600	.7540	18.52.2	G	1 12 a. m.
10	34.552	21·36	84.8	49·17	85.7	.0602	.7538	18.52.1	G	2 12 „
11	34.484	21.45	84.7	49·17	85.5	.0617	.7538	18.51.8	G	3 12 „
12	34.827	21.34	84.1	49.18	85.2	.0599	.7539	18.52.1	G	4 12 „
13	34.141	21.52	84.0	49.22	85.0	.0628	.7544	18.51.9	C	5 12 „
14	35.032	21·45	83.9	49.43	84.9	.0617	.7567	18.52.9	C	6 12 „
15	36.199	21.52	84.5	49.50	85.2	.0628	.7575	18·53.1	C	7 12 „
16	36.610	21.77	85.4	49.43	85.7	.0679	.7567	18.52.2	C	8 12 „
17	35.513	22.26	86.3	48.83	86.1	.0751	.7501	18.48.6	B	9 12 „
18	34.415	22·30	86.9	48.50	86.7	.0756	·7465	18.47.1	B	10 12 „
91	34.141	22.06	87.5	48.37	87·4	.0717	.7450	18.47.1	B	11 12 „
20	33.866	21.95	88.0	48.29	88.0	.0709	.7441	18.46.9	B	Noon.
21	33·455	21.86	88.4	48·46	88.5	.0694	.7460	18.47.8	G	1 12 p. m.
22	33.112	21.30	88.6	48·65	89.0	.0592	.7481	18.49.9	G	2 12 „
23	33·729	21.18	88·5	48.77	89.0	.0572	.7494	18.50.7	G	3 12 „
MAY 15TH-Noon.	33141	21.11	88.1	48.77	89.0	.0561	.7494	18.50.8	G	4 12 „
1	33.729	20.95	87.8	48.68	89.0	.0535	.7484	18.50.7	C	5 12 „
2	33.043	20.90	87.2	48.71	88.5	.0527	.7488	18.51.0	C	6 12 „
3	32.426	21·16	86.7	48.84	88.0	·0569	.7502	18.51.0	C	7 12 „
4	32.631	21.20	86·4	48.92	87.6	.0577	.7511	18.51.3	C	8 12 „
5	32·974	21.35	86.4	48.98	87.5	.0600	.7517	18.51.3	B	9 12 „
6	33.249	21·30	86.1	49.11	87.0	.0592	.7532	18.51.9	B	10 12 „
7	33.455	21.21	85.7	49.20	86.7	.0579	.7542	18.52.5	B	11 12 „
8	33.935	21.24	85.5	49.34	86.6	.0584	.7567	18.53.2	B	Midnight.
9	34.141	21.15	85.3	49.40	86.5	.0567	.7564	18.53.4	G	1 12 a. m.
10	34.964	21.15	85.0	49.29	86.3	·0567	.7551	18.53.0	G	2 12 „
11	34.448	21.16	84.8	49.18	86.0	.0569	.7539	18.52.5	G	3 12 „

DAILY OBSERVATIONS, FROM 15TH TO 18TH MAY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 15TH—12	33·798	21.26	84°5	49.17	85°8	8.0587	2.7538	18°52'2	G	4 12 a. m.
13	34.209	21.25	84.3	49.46	85.5	·0585	.7570	18.53·4	C	5 12 „
14	35.718	21.35	84.2	49.57	85.4	.0600	.7582	18 53.7	C	6 12 „
15	36·404	21.55	84.8	49.62	85.7	.0633	.7588	18.53.6	C	7 12 „
16	36·747	21.91	85.9	49.48	86.2	.0703	.7572	18.52.0	C	8 12 „
17	35.513	21·86	86.0	48.80	86·5	.0694	.7498	18.49.3	B	9 12 „
18	33.523	22.27	87.4	48.41	87·0	.0752	.7455	18.46.9	B	10 12 „
19	32.151	22.51	88.1	48.28	87.6	.0791	.7440	18.45.8	B	11 12 „
20	31·259	22.47	88.5	48.30	88.4	.0784	.7443	18·46.0	B	Noon.
21	31.945	22.32	88.7	48.46	88·8	.0759	.7460	18.46.9	G	1 12 p. m.
22	32.769	22.15	88.5	48.55	89.0	.0731	.7470	18.47.7	G	2 12 „
23	33.455	21.95	88.6	48.78	89.3	.0709	.7495	18.49·0	G	3 12 „
MAY 17TH-Noon.	33.592	21.54	88.0	48.88	89.2	.0632	.7506	18.50.4	C	4 12 „
1	34.484	21.50	87.5	48.81	88.6	.0625	.7499	18.50.1	C	5 12 „
2	34.278	21.38	86.6	48.78	88.2	.0608	.7495	18.50.3	C	6 12 „
3	33.386	21.44	86.1	48.81	87.7	.0616	.7499	18.50.2	C	7 12 „
4	33.317	21.42	85.9	48.96	87.5	.0612	.7515	18.51.1	C	8 12 „
5	33.660	21.31	85.8	49.15	86·8	.0594	.7536	18.52.1	B	9 12 „
6	33.866	21.49	85.8	49.20	86.8	.0624	·7542	18.51.9	B	10 12 „
7	34.003	21·46	85.5	49·26	86.5	·0619	.7548	18.52.2	B	11 12 „
8	33.866	21·45	85.5	49.25	86·5	.0617	.7547	18.52.2	B	Midnight.
9	34.141	21.80	85.3	49.19	86.3	.0684	.7540	18.51.2	G	1 12 a.m.
10	32.769	21.60	85.0	49.18	86.0	.0641	.7539	18.51·6	G	2 12 „
11	33.455	21.55	84.7	49.17	85.5	.0633	.7538	18.51.7	G	3 12 „
12	33.798	21.53	84.6	49.16	85.3	.0630	.7537	18.51.7	G	4 12 „
13	34.278	21.42	84.4	49.44	85.2	.0612	.7568	18.53.1	C	5 12 „
14	35.856	21.47	84.4	49.59	85.0	·0620	.7584	18.53.5	C	6 12 „
15	37·159	21.65	84.9	49.68	85.3	.0649	·7594	18.53.5	C	7 12 „
16	36.816	21.85	85·7	49·81	86.1	.0692	.7609	18·53.6	C	8 12 „
17	34.827	21.97	86.6	49.05	86.6	.0712	.7525	18.50.2	B	9 12 „
18	33.180	22.21	87.4	48.67	87.4	.0743	.7483	18.48.1	B	10 12 „
19	31.671	22.29	88·2	48.49	87.9	.0756	.7463	18.47.0	B	11 12 „
20	30.505	22.32	88.6	48.26	88·5	.0759	.7438	18.46.1	B	Noon.
21	30.642	22.07	89.0	48.57	89.0	.0718	.7472	18.47.8	G	1 12 p. m.
22	31.122	21.94	89.1	48.78	89.2	.0708	.7495	18.49.0	G	2 12 „
23	32.426	21.68	89·0	48·82	89.3	.0654	.7500	18.49.9	G	3 12 „
MAY 18TH-Noon.	33.180	21.63	88.8	48.94	89.5	.0646	.7513	18.50.4	G	4 12 „
1	33.729	21·61	88.3	49.02	89.3	.0643	.7522	18.50.9	C	5 12 „
2	33.592	21.57	87.4	49.02	88.5	.0636	.7522	18.50.9	C	6 12 „
3	33·180	21.43	86.7	49.00	88.1	.0616	.7520	18·51.1	C	7 12 „
4	33.112	21.35	86.3	49.12	87.7	.0600	.7533	18.51.9	C	8 12 „
5	33.592	21·45	86.1	49.22	87.3	.0617	.7544	18.52.0	B	9 12 „
6	33.866	21.37	86.0	49.31	87.0	.0603	.7554	18.52.7	B	10 12 „
7	34.003	21.28	85.6	49.26	86.7	.0590	.7548	18.52.6	B	11 12 „
8	34.003	21.31	85.5	49.20	86.6	.0594	.7542	18.52.3	B	Midnight.
9	33.798	21.55	85.3	49.19	86.3	.0633	.7540	18.51.8	G	1 12 a. m.
10	33.798	21.45	85.0	49.18	86.0	.0617	.7539	18.51.8	G	2 12 „
11	34·484	21.30	84.7	49.38	85.9	.0592	.7561	18.53.0	G	3 12 „
12	33·798	21.77	84.3	49.37	85.6	.0679	.7560	18.52.9	G	4 12 „
13	33.798	21·62	84.1	49.34	85.4	.0644	.7557	18.52.4	C	5 12 „
14	35.513	21.52	84.1	49.28	85·3	.0628	.7550	18.52·2	C	6 12 „
15	36.542	21.56	84.6	49.29	85.6	.0635	·7551	18.52.1	C	7 12 „
16	36.679	22.08	85.4	49.34	86·2	.0620	.7557	18.52.6	C	8 12 „
17	35.238	22.40	86.5	48.65	86.6	.0773	.7481	18.47.6	B	9 12 „
18	33.386	22.60	87.4	48.32	87.3	.0805	.7445	18.45.8	B	10 12 „
19	31.877	22.43	88.1	48.04	87.9	.0778	.7414	18.44.9	B	11 12 „
20	30.093	22.29	88.8	47.96	88.5	·0756	.7405	18.44·8	B	Noon.
21	29.682	21.95	89.0	47.95	89.0	.0709	.7404	18.45·4	G	1 12 p. m.
22	30.025	21.67	89.3	48.19	89.5	.0651	.7430	18.47.2	G	2 12 „
23	31·397	21.46	89.5	48.50	90.0	.0619	.7465	18.48.9	G	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 21ST MAY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
May 19th-Noon.	32·769	21.36	89°3	48.80	90°0	8.0602	2.7498	18°50'5	G	4 12 p. m.
1	33.317	21.40	88.9	48.72	89.9	.0609	.7489	18.50.0	C	5 12 „
2	33.043	21.46	88.2	48.70	89.5	.0619	.7487	18·49.8	C	6 12 „
3	32.837	21.36	87.3	48.66	88.9	.0602	.7482	18·49.8	C	7 12 „
4	32.974	21.35	87.0	48.73	88.5	.0600	.7490	18.50.2	C	8 12 „
5	33.180	21.44	86.5	48.85	88.2	.0616	.7503	18.50.4	B	9 12 „
6	33.523	21.47	86.6	48.98	87.7	.0620	.7517	18.51.0	B	10 12 „
7	33.317	21.58	86.3	49.07	87.3	.0638	.7527	18.51.2	B	11 12 „
8	33·798	21.53	86.0	49.16	87.0	.0630	.7537	18.51.7	B	Midnight.
9	33.866	21.63	85.7	49·20	86·7	.0646	.7542	18.51.5	G	1 12 a. m.
10	33.935	21.64	85.5	49.20	86.5	.0648	.7542	18.51.5	G	2 12 „
11	33.935	21.75	85.3	49.19	86.3	.0676	.7540	18·51.2	G	3 12 „
12	34·209	21.60	85·0	49.19	86.2	.0641	.7540	18.51.7	G	4 12 „
13	34.621	21.58	85.0	49.21	86.1	.0638	.7543	18.51.8	C	5 12 „
14	35.856	21.62	84.9	49.37	86.0	.0644	.7560	18.52.4	C	6 12 „
15	37.296	21.95	85.5	49.46	86.2	.0709	.7570	18.51.9	C	7 12 „
16	37.159	22.32	86.5	49.51	86.7	.0759	.7576	18.51.4	C	8 12 „
17	35.307	22.56	87.5	48.73	87.4	.0799	.7489	18.47·5	B	9 12 „
18	32.837	22.97	88.3	47·83	87.7	.0866	.7391	18.42.8	B	10 12 „
19	31.397	23.23	89.0	48.00	88·2	.0910	.7410	18.43.1	B	11 12 „
20	30.230	23.03	89.5	48.11	88·8	.0876	.7422	18.43·9	B	Noon.
21	30.025	22.53	89.8	48.38	89·3	.0794	.7451	18.46.2	G	1 12 p. m.
22	30.505	22.25	90.2	48.41	89·5	.0749	.7455	18.46.9	G	2 12 „
23	31.397	21·76	90.5	48.52	90.5	·0678	.7467	18.48.3	G	3 12 „
May 20th-Noon.	32.563	21.70	90.3	48·62	90.7	.0668	.7478	18.48.8	G	4 12 „
1	33.249	21.88	90.0	48.64	90.5	.0697	.7480	18.48.5	C	5 12 „
2	33.249	21.79	89.3	48.60	90.2	.0679	.7476	18.48.6	C	6 12 „
3	33.386	21.62	88.6	48.66	89.6	.0644	.7482	18.49.3	C	7 12 „
4	33.112	21.53	88.1	48.76	89.1	.0630	.7493	18.49.9	C	8 12 „
5	33.592	21.55	87.6	48·91	88.5	.0633	.7510	18.50.6	B	9 12 „
6	33.523	21.64	87.4	48.95	88.2	.0648	.7514	18.50.4	B	10 12 „
7	33.386	21·61	87.1	48.98	87.8	.0643	.7517	18.50.8	B	11 12 „
8	33.935	21.57	86.8	48.98	87.5	.0636	.7517	18.50.8	B	Midnight.
9	34.072	21.58	86.6	49.02	87.3	.0638	.7522	18.50.9	G	1 12 a. m.
10	34.209	21.60	86.4	49.12	87.2	.0641	.7533	18.51.4	G	2 12 „
11	34.209	21.63	86.0	49.21	87.0	.0646	.7543	19.51.6	G	3 12 „
12	34.141	21.71	85.9	49.21	86.9	.0670	.7543	18.51.4	G	4 12 „
13	34.621	21.67	85.7	49.20	86.7	.0652	.7542	18.51.5	C	5 12 „
14	35.787	21.88	85.7	49.20	86.5	.0697	.7542	18.50.9	C	6 12 „
15	36.130	22·22	86.1	49.01	86.9	.0744	.7521	18.49.6	C	7 12 „
16	36.542	22.69	86.9	48.89	87.4	.0820	.7507	18.48.0	C	8 12 „
17	34.827	22.84	88.0	48.23	87.6	.0845	.7435	18.44.8	B	9 12 „
18	32.974	23.05	89.0	47.91	88.5	.0879	.7400	18.43.1	B	10 12 „
19	31.122	23.28	89.7	47.82	89.0	.0918	.7390	18.42.1	B	11 12 „
20	30.093	23.14	90.5	47.74	89.5	.0894	.7381	18.42.1	B	Noon.
21	30.436	22·96	90.8	47.76	90.1	.0865	.7383	18.42.5	G	1 12 p. m.
22	31.328	22.64	90.9	47.89	90.7	·0812	.7397	18.43.9	G	2 12 „
23	32.426	22.35	91.0	48.40	90.9	.0764	.7454	18.46.7	G	3 12 „
May 21st-Noon.	32.974	22·10	91.0	48.62	90.9	.0723	.7478	18.48.1	G	4 12 „
1	33.386	21.84	90.5	48.67	90.5	.0691	.7483	18.48.7	C	5 12 „
2	33.112	21.71	89.7	48.68	90.4	.0670	.7484	18.49.0	C	6 12 „
3	32.769	21.66	88.6	48.68	90.0	.0651	.7484	18.49.2	C	7 12 „
4	32.769	21.74	88·2	48.75	89.4	.0675	·7492	18.49.2	C	8 12 „
5	33.180	21.64	88.0	48.81	88.7	.0648	·7499	18.49.8	C	9 12 „
6	33.455	21·63	87.5	48.80	88.2	.0646	.7498	18.49.8	B	10 12 „
7	33.798	21·66	87·3	48.98	87.6	.0651	.7517	18.50.6	B	11 12 „
8	33.798	21.76	87·0	48.88	87.5	.0678	.7506	18.49.9	B	Midnight.
9	33.935	21.71	86.8	49.05	87.1	.0670	.7525	18.50.7	B	1 12 a. m.
10	34.209	21.62	86.5	49.11	87.0	.0644	.7532	18.51.3	G	2 12 „
11	34.484	21.57	86.2	49.20	86.8	.0636	.7542	18.51.7	G	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 24TH MAY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
MAY 21ST—12	34·141	21.73	86·0	49.20	86·5	8.0673	2.7542	18°51'3	G	4 12 a. m.
13	35.101	21.71	85.9	49.23	86.3	.0670	.7545	18.51.5	C	5 12 ,,
14	36.061	21.78	85.8	49.27	86.1	·0681	.7549	18.51.5	C	6 12 ,,
15	37.022	22·11	86.3	49.37	86.4	.0725	.7560	18.51.2	C	7 12 ,,
16	36.816	22.39	87.1	49.10	87.1	.0771	.7531	18.49.6	C	8 12 ,,
17	35·787	22.84	88.3	48.68	87.5	.0845	.7484	18.46.6	B	9 12 ,,
18	34·072	22.89	89.1	48.29	88.1	.0853	.7441	18.45.0	B	10 12 ,,
19	32.631	23.01	89·7	48.32	88.9	.0873	.7445	18.45.0	B	11 12 ,,
20	32.357	23.10	90.5	48.19	89.5	.0887	.7430	18.44.1	B	Noon.
21	32.357·	22.89	90.8	48.20	90.0	.0853	·7432	18·44.6	G	1 12 p.
22	32.426	22.83	91.0	48.31	90.3	.0843	.7444	18.45.3	G	2 12 ,,
23	32.769	22.77	91.8	48.45	91.0	.0833	.7459	18.46.0	G	3 12 ,,
MAY 22ND-Noon.	33.386	22.43	91.0	48.58	91.0	.0778	.7473	18.47.2	G	4 12 ,,
1	33.455	22.20	90.5	48·63	91.0	.0741	.7479	18.47.9	C	5 12 ,,
2	33.455	22.03	89.8	48.63	90.4	.0712	.7479	18.48.3	C	6 12 ,,
3	32.974	21.88	88.9	48.62	89.5	.0697	.7478	18.48.4	C	7 12 ,,
4	32.974	21.86	88.3	48.64	89.1	.0694	.7480	18.48.6	C	8 12 ,,
5	33.317	21.89	88.0	48.75	88.3	.0699	.7492	18.48.9	B	9 12 ,,
6	33.386	21.81	87.6	48.64	88.0	.0686	.7480	18.48.6	B	10 12 ,,
7	33.798	21.75	87.5	48.93	87.6	.0676	.7512	18.50.0	B	11 12 ,,
8	34.141	21.69	87.3	48.98	87.5	.0656	.7517	18.50.5	B	Midnight.
9	34.141	21.76	87.0	49.02	87.3	.0678	.7522	18.50.4	G	1 12 a. m.
10	34.141	21.81	86.8	49.01	87.0	.0686	.7521	18.50.2	G	2 12 ,,
11	34.141	21.92	86.5	49.00	86.5	.0704	.7520	18.50.1	G	3 12 ,,
12	33.798	21.94	86.7	49.00	86.7	.0708	.7520	18.50.0	G	4 12 ,,
13	34.141	21.83	86.3	49.08	86.5	.0689	.7528	18.50.5	C	5 12 ,,
14	35.375	21.91	86.1	49.27	86.3	.0703	.7549	18.51.2	C	6 12 ,,
15	35.718	22.41	86.6	49.31	86.6	.0775	.7554	18.50.4	C	7 12 ,,
16	35.993	22.64	87.3	49.40	87.2	.0812	.7564	18.50.3	C	8 12 ,,
17	34.621	22.95	88.4	48.48	87.8	.0863	.7462	18.45.6	B	9 12 ,,
18	33.043	23.33	89.3	48.27	88.3	.0925	.7439	18.43.9	B	10 12 ,,
19	31.191	23.22	90·1	47.99	89.0	.0908	.7408	18.43.0	B	11 12 ,,
20	30.436	23.12	90.7	48.04	89.7	.0890	.7414	18.43.4	B	Noon.
21	30.368	23.10	91.0	48.10	90.0	.0887	.7421	18.43.7	G	1 12 p. m.
22	30.436	22.83	91.2	48.32	90.5	.0843	.7445	18.45.4	G	2 12 ,,
23	31.945	22.37	91.2	48.53	91.0	.0767	.7468	18.47.1	G	3 12 ,,
MAY 24TH-Noon.	32.631	22.09	91.4	48.45	91.5	.0722	.7459	18.47.4	C	4 12 ,,
1	32.769	21.91	90.9	48.48	91.1	.0703	.7462	18.47.7	C	5 12 ,,
2	32.974	21.79	90.3	48.51	90.8	.0683	.7466	18.48.2	C	6 12 ,,
3	32.974	21.73	89.6	48.61	90 5	.0673	.7497	18.48.8	C	7 12 ,,
4	32.974	21.69	89.0	48.69	90.2	.0656	.7485	18.49.2	C	8 12 ,,
5	33.180	21.72	88.9	48.84	89 6	.0671	.7502	18.49.7	B	9 12 ,,
6	33.386	21.70	88.5	48.83	89.3	.0668	.7501	18.49.7	B	10 12 ,,
7	33.660	21.71	88.3	48.87	89.0	.0670	.7505	18.49.9	B	11 12 ,,
8	33.868	21.75	88.0	48.91	88.6	.0676	.7510	18 50.0	B	Midnight.
9	33.798	21.87	87.9	48.95	88.4	.0695	.7514	18.49.8	G	1 12 a. m.
10	33.798	22.05	87.5	49.00	88.0	.0715	.7520	18.49.8	G	2 12 ,,
11	33.865	22.13	87.4	49.07	87.8	.0723	.7527	18.50.0	G	3 12 ,,
12	34.141	22.06	87.0	49.13	87.5	.0713	.7534	18.50.3	G	4 12 ,,
13	34.209	22.10	86.9	49.14	87.4	.0727	.7535	18.50.4	C	5 12 ,,
14	35.513	22.08	86.8	49.35	87.2	.0720	.7558	18.51.3	C	6 12 ,,
15	36.885	22.38	87.0	49.36	87.4	.0769	.7559	18·50.7	C	7 12 ,,
16	36.747	22.76	87.6	49.39	87.8	.0832	.7562	18.49.9	C	8 12 ,,
17	35.238	22.71	88.5	48.60	88.2	.0824	.7476	18·46·7	B	9 12 ,,
18	33.660	22.82	89.6	48.26	88.8	.0841	.7438	18 45.1	B	10 12 ,,
19	32.769	22.83	90.0	48.13	89.2	.0843	.7424	18.44.5	B	11 12 ,,
20	31.671	22.82	90.4	48.24	89.6	.0841	.7436	18.45·0	B	Noon.
21	31.465	22.73	90.7	48.30	90.0	.0827	.7443	18.45.4	G	1 12 a. m.
22	31.397	22.62	91.0	48.37	90.5	.0808	·7450	18.46.0	G	2 12 ,,
23	32.083	22.33	91.0	48.52	90.7	.0761	·7467	18.47.2	G	3 12 ,,

DAILY OBSERVATIONS, FROM 25TH TO 27TH MAY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 25TH—Noon.	32·151	22.39	90·8	48.53	91·0	8.0771	2.7468	18°47·1	G	4 12 p.m.
1	32.357	22.29	90.6	48.56	90.9	·0756	.7471	18.47.3	C	5 12 „
2	33.112	22.05	90.2	48.63	90.7	.0715	.7479	18.48.1	C	6 12 „
3	32.906	21.88	89.5	48.69	90·2	.0697	.7485	18.48.7	C	7 12 „
4	32·906	21.99	89.1	48.77	90·0	.0716	.7494	18.48.7	C	8 12 „
5	33.180	22.01	88.8	48.84	89.5	.0709	.7502	18.49.2	B	9 12 „
6	33.455	22.05	88.5	48.97	89.1	.0715	.7516	18.49.6	B	10 12 „
7	33.660	21.96	88.1	49.01	88.7	.0711	.7521	18.50.0	B	11 12 „
8	33.798	21·94	88.0	48.96	88.5	.0708	.7515	18.49.8	B	Midnight.
9	34.141	22.06	87.7	48.95	88.2	.0717	.7514	18.49.5	G	1 12 a.m.
10	34·141	22.00	87.5	49.00	88.0	.0707	.7520	18.50.0	G	2 12 „
11	34.415	21.98	87.4	49.04	87.9	.0714	.7524	18·50.1	G	3 12 „
12	34.484	22.06	87.0	49.23	87.5	.0717	.7545	18.50.8	G	4 12 „
13	34.484	22.09	86.9	49.18	87.4	.0722	·7539	18.50.5	C	5 12 „
14	35.513	22.10	86.9	49.14	87.4	.0723	.7535	18.50.4	C	6 12 „
15	36.267	22·26	87.0	48.98	87.5	.0751	.7517	18.49.3	C	7 12 „
16	36.404	22.82	87.3	48.98	87.8	.0841	.7517	18.48.2	C	8 12 „
17	34.278	23.40	88.6	48.25	88.2	.0937	.7437	18.43.8	B	9 12 „
18	32.631	23.44	89.4	48.01	88.6	.0944	.7411	18.42.7	B	10 12 „
19	31.122	23.73	90.2	47.92	89.4	.0991	.7401	18.41.6	B	11 12 „
20	30.093	23.58	90.5	47.97	89.8	.0966	.7406	18.42.1	B	Noon.
21	29.682	23.63	91.0	48.00	90.0	.0974	.7410	18.42.3	G	1 12 p.m.
22	31.397	23.08	91.3	48.33	91.0	.0884	.7446	18.44.9	G	2 12 „
23	31.534	22.72	91.5	48.44	91·2	.0825	.7458	18.46.0	G	3 12 „
MAY 26TH—Noon.	32.769	22.32	91.5	48.45	91.5	.0759	.7459	18.46.9	G	4 12 „
1	33.660	22.22	91.0	48.52	91.2	.0744	.7467	18.47.5	C	5 12 „
2	33.866	21.98	90·2	48.54	91.0	.0714	.7469	18.47.9	C	6 12 „
3	33.729	21.57	89.3	48.55	90.4	.0636	.7470	18.48.9	C	7 12 „
4	32.974	21.81	88.9	48.54	89.7	.0686	.7469	18.48.1	C	8 12 „
5	33.455	21.73	88.5	48.83	89·2	.0673	.7501	18.49.7	B	9 12 „
6	33.935	21.95	88.4	48.91	88.6	.0609	.7510	18.49.6	B	10 12 „
7	33·660	21.76	88.0	48.96	88.5	.0678	.7515	18.50.2	B	11 12 „
8	33.935	21.62	87·6	48.95	88.2	.0644	.7514	18.50.6	B	Midnight.
9	34.141	21.89	87.5	48.98	88.0	.0699	.7517	18.50.0	G	1 12 a. m.
10	34.141	21.71	87.0	49·13	87.8	.0670	.7534	18.51.0	G	2 12 „
11	33.798	21.87	86.8	49.02	87.2	.0695	.7522	18.50.1	G	3 12 „
12	33.798	21.87	86.5	48.81	87·0	.0695	.7499	18.49.2	G	4 12 „
13	34.346	21.92	86.4	48.93	86.9	.0704	.7512	18.49.7	C	5 12 „
14	35.375	21.90	86.2	49.09	86.7	.0701	.7529	18.50.4	C	6 12 „
15	35.375	22.01	86.4	49.18	86.8	.0709	.7539	18.50·7	C	7 12 „
16	35.307	22.25	86.9	48.90	87.0	.0749	.7509	18.48.9	C	8 12 „
17	34·484	22.50	87·5	48.68	87.5	.0789	.7484	18.47.4	B	9 12 „
18	32.974	23.03	88.5	48.29	88 0	.0876	.7441	18.44.7	B	10 12 „
19	32.769	22.86	89.2	48.26	88.5	.0848	.7438	18.44.9	B	11 12 „
20	30.916	22.91	89.6	48.03	89.2	.0857	.7413	18.43.8	B	Noon.
21	30.573	23.08	90.1	48.13	89.5	.0884	.7430	18.44.3	G	1 12 p.m.
22	31.671	22.76	90.6	48.30	90.0	.0832	.7443	18.45.4	G	2 12 „
23	33.249	21.99	90.8	48.44	90.7	·0716	.7458	18.47.4	G	3 12 „
MAY 27TH—Noon.	34.072	21.73	90.7	48.53	91.0	.0673	.7468	18.48.4	G	4 12 „
1	34.415	21.48	90.4	48.53	91.0	.0622	.7468	18.49.0	C	5 12 „
2	33.592	21.55	89.5	48.35	90·7	.0633	.7448	18.48.2	C	6 12 „
3	33.180	21.49	88.9	48.40	90.2	.0624	.7454	18.48.5	C	7 12 „
4	34.141	21.33	88.3	48.67	89.6	.0597	.7483	18.49.9	C	8 12 „
5	33.935	21·44	88.0	48.62	89.0	.0616	.7478	18.49.4	B	9 12 „
6	33.523	21.53	87.8	48.81	88.6	.0630	.7499	18.50.1	B	10 12 „
7	33.523	21.60	87.6	48.80	88.3	.0641	.7498	18.50.0	B	11 12 „
8	33.455	21.55	87.5	48.89	88.0	.0633	.7507	18.50.5	B	Midnight.
9	34.278	21.71	87.3	48.93	87.8	.0670	.7512	18.50.1	G	1 12 a. m.
10	34.278	21.73	87.0	48.93	87.6	·0673	.7512	18.50.1	G	2 12 „
11	33.935	21.76	86.7	48.93	87.5	.0678	.7512	18.50.0	G	3 12 „

DAILY OBSERVATIONS, FROM 27TH TO 29TH MAY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 27TH—12	34.141	21.69	86·6	48.95	87.0	8.0656	2.7514	18.50·3	G	4 12 a. m.
13	34·415	21.78	86·4	48.96	87.0	.0681	.7515	18·50.2	C	5 12 „
14	35.581	21.77	86·3	49.10	87.0	.0679	.7531	18·50.8	C	6 12 „
15	35.630	21.77	86·0	48.98	86.6	.0679	.7517	18.50.3	C	7 12 „
16	35.513	22.17	87.0	48.88	87.2	·0734	.7506	18·49.1	C	8 12 „
17	34.621	22.44	88.1	48.58	87.7	.0780	.7473	18.47.2	B	9 12 „
18	33.592	22.67	89.1	48.25	88.4	.0816	.7437	18·45.3	B	10 12 „
19	32.151	22 93	89.7	47.92	89·1	.0860	.7401	18.43.3	B	11 12 „
20	30.573	22.97	90.2	47.94	89.5	.0866	.7403	18.43.3	B	Noon.
21	30.162	23.08	90·7	48.31	90.2	.0884	.7444	18.44.8	G	1 12 p.m.
22	31.122	22.74	90·9	48.72	90.5	.0829	.7489	18.47.1	G	2 12 „
23	32.288	22.30	91·0	48.68	91.0	.0756	.7485	18.47.9	G	3 12 „
MAY 28TH-Noon.	33.763	22.08	91.0	48.68	91·0	.0720	.7484	18.48·3	N	4 12 „
1	33.798	21.99	90·5	48.50	91.0	.0716	.7465	18.47.6	C	5 12 „
2	33.455	21.95	90.0	48.47	90.8	.0709	.7461	18·47.6	C	6 12 „
3	32.769	21.84	89.2	48.41	90·5	.0691	·7455	18·47·7	C	7 12 „
4	33.112	21.82	88.5	48.52	90.0	.0687	.7467	18.48·1	C	8 12 „
5	33.249	21.92	88.3	48.73	89.4	.0704	.7490	18.48.9	B	9 12 „
6	33.317	21.91	88.1	48.82	89.1	.0703	.7500	18.49·3	B	10 12 „
7	33.798	21.94	88.0	48.82	88.9	·0708	·7500	18.49.2	B	11 12 „
8	33.592	21.94	87.7	48.66	88.6	·0708	.7482	18.48.4	B	Midnight.
9	34.072	21.91	87.3	48.65	88.2	.0703	.7481	18.48.5	N	1 12 a.m.
10	33.455	22.01	87.3	48.74	88.0	.0709	.7491	18.48·8	N	2 12 „
11	33.455	21.98	87.0	48.74	88.0	.0714	.7491	18.48.8	N	3 12 „
12	33.935	22.06	87.0	48.83	87.8	.0717	.7501	18.49·0	N	4 12 „
13	34.003	22.04	86.8	48.92	87.7	.0714	.7511	18.49.6	C	2 12 „
14	35.307	22.13	86.7	48.97	87.5	·0728	.7516	18.49·5	C	6 12 „
15	35.787	21·98	87.1	48.73	87.8	·0714	.7490	18.48·8	C	7 12 „
16	35.375	22.41	87.9	48.62	88.2	.0775	.7478	18.47.4	C	8 12 „
17	33.798	22.67	88.0	48.24	88.0	.0816	·7436	18.45.2	B	9 12 „
18	32.769	22.88	89.0	48.11	88.5	.0851	.7422	18.44.2	B	10 12 „
19	30.916	22.96	89.5	47.98	89.4	.0865	.7407	18·43.5	B	11 12 „
20	29.407	22·90	90.4	47.88	90.0	.0855	.7396	18.43.1	B	Noon.
21	29.270	22.86	90.8	48·01	90.3	.0848	·7411	18.43.8	N	1 12 p.m.
22	30.299	22.64	91.0	48·03	91.0	.0812	.7413	18.44.5	N	2 12 „
23	31.877	22.18	91·0	48.28	91.1	.0736	.7440	18·46.5	N	3 12 „
MAY 29TH-Noon.	32.769	22·10	91.0	48.24	91.4	.0723	·7436	18.46.5	N	4 12 „
1	32.769	21.94	90.5	48.32	91.3	.0708	.7445	18.49.1	C	5 12 „
2	33.523	21.77	89·6	48.34	91·0	.0679	.7447	18.47.6	C	6 12 „
3	32.837	21.62	88.9	48.34	90.4	.0644	.7447	18.48.1	C	7 12 „
4	32.837	21.68	88·5	48·45	90.0	·0654	.7459	18·48.3	C	8 12 „
5	33.180	21·79	88.0	48.64	89·5	.0683	.7480	18.48.8	B	9 12 „
6	33.935	21.65	87·8	48.77	89.0	.0649	.7494	18.49.6	B	10 12 „
7	33.249	21.65	87.6	48.81	88·6	.0649	.7499	18.49.8	B	11 12 „
8	33.455	21·80	87·5	48.66	88.5	.0684	·7482	18.48.8	B	Midnight
9	33.386	21.90	87.2	48.74	88.0	.0701	.7491	18.48.9	N	1 12 a.m
10	33·523	21.83	87.1	48.74	88.0	.0689	.7491	18.49.0	N	2 12 „
11	33·592	21·90	87.0	48.71	88.0	.0706	.7488	18.48.8	C	3 12 „
12	33.798	22.00	86.9	48.80	87.9	.0707	.7498	18.49.1	C	4 12 „
13	34·003	21·92	86·7	48.88	87.7	.0704	.7506	18.49.5	B	5 12 „
14	35.515	22.00	86.6	49.16	87.5	.0707	·7537	18.50.7	B	6 12 „
15	35.856	22.31	87.3	48.99	88.0	.0758	.7518	18.49.2	G	7 12 „
16	35·650	22.61	87.5	48.72	88.1	.0807	.7489	18.47.4	G	8 12 „
17	34.552	22.80	88.4	48.53	88.6	.0838	.7468	18.46.2	C	9 12 „
18	33.043	23.03	89 1	48.27	89.1	.0876	.7439	18.44.6	C	10 12 „
19	32.082	23·14	89.9	48.08	89.4	.0894	.7418	18.43.6	B	11 12 „
20	31.465	23.04	90.3	48.10	90.0	.0878	.7421	18.43.9	B	Noon.
21	31·842	22.89	90.7	48.11	90.3	.0853	.7422	18·44.2	N	1 12 p.m.
22	32.288	22.75	91.0	48.12	90.8	·0830	.7423	18.44.6	N	2 12 „
23	32.426	22 47	91.1	48.19	91.5	.0784	.7430	18.45 6	C	3 12 „

DAILY OBSERVATIONS, FROM 30TH MAY TO 2ND JUNE 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
MAY 30TH-Noon.	32'700	22.17	90.7	48.10	91°4	8.0734	2.7421	18°45.8	C	4 12 p. m.
1	32·769	22 07	90.5	48.34	91.4	.0718	.7447	18.47.0	B	5 12 ,,
2	32.837	21.92	89.2	48.43	90.8	.0704	.7457	18.47.7	B	6 12 ,,
3	32.837	21.76	88.9	48 51	90.2	.0678	.7466	18.48.2	G. L.	7 12 ,,
4	32.083	21.81	88.5	48.54	89.8	.0686	.7469	18.48.1	G. L.	8 12 ,,
5	32.945	21.86	88.3	48.57	89.5	.0694	.7472	18.48.2	C	9 12 ,,
6	32.563	21.73	88.1	48.52	89.3	.0673	.7467	18.48.4	C	10 12 ,,
7	32.837	21.99	88.0	48.53	88.9	.0716	.7468	18.47.7	B	11 12 ,,
8	33.317	21.96	87.9	48·62	88.6	.0711	.7478	18°48.3	B	Midnight.
9	33.557	21.88	87.6	48.63	88.5	.0697	.7479	18.48.4	N	1 12 a.m.
10	33.455	21.88	87.3	48 59	88.0	.0697	.7474	18.48.2	N	2 12 ,,
11	33.660	21.89	87.2	48.69	88.0	.0699	.7485	18.48.7	N	3 12 ,,
12	33.523	21.94	87.0	48.63	87.8	.0708	.7479	18.48.3	N	4 12 ,,
13	33.798	21.97	86.9	48.71	87.7	.0712	.7488	18.48.7	C	5 12 ,,
14	34.827	22 04	86.8	48.92	87.5	.0714	.7511	18.49.1	C	6 12 ,,
15	35.307	22.08	87.3	49.03	87.9	.0720	.7523	18.49.8	C	7 12 ,,
16	34.827	22.35	88.0	48.77	88.3	.0764	.7494	18.48.2	C	8 12 ,,
17	33.729	22.72	88.8	48.41	88.5	.0825	.7455	18.45.9	B	9 12 ,,
18	32 563	22.82	89.5	48.17	89.1	.0841	.7428	18.44.7	B	10 12 ,,
19	31 602	22.85	90.0	48·07	89.6	.0846	.7417	18.44.1	B	11 12 ,,
20	30.916	22.72	90.6	48.11	90.2	.0825	.7422	18.44.5	B	Noon.
21	31.397	22.63	91.0	48.20	90·5	.0810	.7432	18.45.2	N	1 12 ,,
22	32.083	22.39	91.2	48.23	91.0	.0771	·7435	18.45.9	N	2 12 ,,
23	33.112	22.27	91.0	48.34	91.2	.0752	.7447	18.46.6	N	3 12 ,,
JUNE 1ST-Noon.	32.769	22.37	91.8	48.08	92.5	.0767	.7418	18.45 2	B	4 12 ,,
1	33.043	22.25	91 2	48.06	92.1	,0749	,7416	18.45.3	B	5 12 ,,
2	32.769	22.09	90.3	48.24	91.3	.0722	.7436	18.46.6	G	6 12 ,,
3	32.769	21.82	89.0	48.22	90.8	.0687	.7434	18.46.8	G	7 12 ,,
4	33.180	21.78	88.8	48.31	90.2	.0681	.7444	18.47.4	G	8 12 ,,
5	33.112	21.80	88.4	48.45	90.0	.0684	.7459	18.48.0	C	9 12 ,,
6	33.249	21.77	88.1	48.51	89.5	.0679	.7466	18.48.2	C	10 12 ,,
7	33.249	21.88	87.8	48.53	89·3	.0697	.7468	18.48.0	C	11 12 ,,
8	33.317	21.99	87.6	48.64	89.0	.0716	.7480	18.48.2	C	Midnight.
9	33.592	22.03	87.5	48.76	88.5	.0712	.7493	18.48.9	B	1 12 a. m.
10	33.592	21.84	87.1	48.77	88.4	·0691	.7494	18,49.1	B	2 12 ,,
11	33.455	21.91	86.7	48.78	87.8	.0703	.7495	18.49·1	B	3 12 ,,
12	33.112	21.97	86.5	48.83	87.6	.0712	.7501	18.49.2	B	4 12 ,,
13	33.798	21.95	86.4	48.83	87.5	.0709	.7501	18.49.2	G	5 12 ,,
14	34·837	22.08	86 3	48.90	87.3	.0720	.7509	18.49.3	G	6 12 ,,
15	35.856	22·31	86.7	49.03	87.5	.0758	.7523	18·49,4	G	7 12 ,,
16	35.513	22.45	87·5	49.04	88.0	.0781	.7524	18.49 2	G	8 12 ,,
17	35·170	22.83	88.4	48.76	88.7	,0843	·7493	18·47.2	C	9 12 ,,
18	34.003	22.88	89.2	48.17	89.1	.0851	·7428	18.44.5	C	10 12 ,,
19	31.058	23.17	89.8	47.68	89.9	.0898	·7374	18.41.7	C	11 12 ,,
20	30.025	23·13	90.2	47.81	90.3	.0892	.7389	18.42.4	C	Noon.
21	30.230	22.99	90.6	47.87	90.6	,0870	.7395	18.43.0	B	1 12 p. m.
22	30 916	22.82	91.0	48.14	91·2	.0841	.7425	18.44.6	B	2 12 ,,
23	31·671	22.61	91.3	48.30	91.6	.0807	,7443	18.45.7	B	3 12 ,,
JUNE 2ND-Noon.	32.220	22.49	91.3	48.40	91.7	,0788	,7454	18.46.3	B	4 12 ,,
1	32.769	22.37	90.4	48.35	91.7	,0767	.7448	18.46.4	G	5 12 ,,
2	33 112	22 27	89.8	48.37	90.7	.0752	.7450	18.46.7	G	6 12 ,,
3	32.426	22 13	88.8	48.32	90.5	.0728	.7445	18.46.8	G	7 12 ,,
4	32.426	22.13	88·5	48.40	90.0	.0728	.7454	18.47.1	G	8 12 ,,
5	32·769	22.11	88.1	48.39	89.5	.0725	.7452	18.47.0	C	9 12 ,,
6	33.112	22.11	87.9	48.41	89.1	.0725	.7455	18.47.2	C	10 12 ,,
7	33.150	22.17	87.7	48.54	89.0	.0734	.7469	18.47.5	C	11 12 ,,
8	33.935	22.10	87 5	48.66	88.9	.0723	.7482	18.48.2	C	Midnight.
9	34.003	22·15	87.5	48.72	88.5	.0731	.7489	18.48.4	B	1 12a. m.
10	33.935	21.99	87.3	48.63	88.2	.0716	.7479	18.48.1	B	2 12 ,,
11	33 866	22.20	87.2	48.60	88.2	.0741	.7476	18.47.8	B	3 12 ,,

DAILY OBSERVATIONS, FROM 2ND TO 4TH JUNE 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.	′		°		°			° ′		h. m.
JUNE 2ND— 12	33′455	22.06	87·0	48.78	88·0	8.0717	2.7495	18°18′9	B	4 12 a. m.
13	34.146	22.02	86.8	48.83	87.8	.0710	.7501	18.49.2	G	5 12 „
14	35.513	22.02	86.5	48.88	87.5	.0710	.7506	18.49.4	G	6 12 „
15	36.885	22.19	86.6	48.88	87.5	.0738	.7506	18.49.0	G	7 12 „
16	35.856	22.53	87.3	48.73	87.8	.0794	.7490	18.47.7	G	8 12 „
17	34.964	23·00	88.0	47.96	88.5	.0871	.7405	18.43.4	C	9 12 „
18	33.592	23.15	88.3	47.76	88.8	.0895	.7383	18.42.1	C	10 12 „
19	32.631	23.15	88.8	47·68	89.3	.0895	.7374	18.41.7	C	11 12 „
20	31.259	23.32	89.8	47.70	90·0	.0923	.7377	18.41.6	C	Noon.
21	31.054	23.10	90.1	47.96	90.3	.0887	.7405	18.43.1	B	1 12 p. m.
22	32.083	23·09	90.4	48.24	90.5	.0886	.7436	18.44.3	B	2 12 „
23	33.043	22.56	89.6	48·47	90.5	.0799	.7461	18.46.4	B	3 12 „
JUNE 3RD-Noon.	33.935	22.19	88.9	48.54	89.9	.0738	.7469	18.47.5	B	4 12 „
1	33.455	21.98	88.0	48.38	89.2	.0714	.7451	18.47·3	G	5 12 „
2	33.249	22·05	87.8	48.32	89.0	.0715	.7445	18.46.9	G	6 12 „
3	33.043	22.10	87.5	48.31	88·8	.0723	.7444	18.46.8	G	7 12 „
4	32.426	22.10	87.5	48.36	88.5	.0723	.7449	18.47.0	G	8 12 „
5	32.769	22.16	87.4	48·46	88.4	.0733	.7460	18.47.3	C	9 12 „
6	32.837	22.16	87.3	48.60	88.3	.0733	.7476	18·48.0	C	10 12 „
7	33.043	22.17	87.3	48.58	88.3	.0734	.7473	18.47.8	C	11 12 „
8	33.317	22·20	87.3	48·66	88.3	.0741	.7482	18.48.0	C	Midnight.
9	33.317	22.13	87·3	48.60	88.2	·0728	.7476	18·48.0	B	1 12 a. m.
10	33.523	22.19	87.1	48.66	88·0	.0738	.7482	18.48.0	B	2 12 „
11	33.180	22.19	87.1	48.66	87·9	·0738	.7482	18.48.0	B	3 12 „
12	33·317	22.34	87.1	48.73	87.8	.0763	.7490	18.48.1	B	4 12 „
13	34.141	22.31	87.0	48.83	87.5	·0758	.7501	18.48.5	G	5 12 „
14	35.787	22.27	86.8	48.95	87.5	.0752	.7514	18.49.1	G	6 12 „
15	36.199	22.42	87.5	48.91	87.6	.0776	·7510	18.48·7	G	7 12 „
16	36.199	22.59	88.0	48.62	88.1	.0804	.7478	18.47.1	G	8 12 „
17	34·827	22.83	88.7	48.46	88.8	.0843	.7438	18.45.1	C	9 12 „
18	33.455	23.15	89.4	47.88	89.2	.0895	.7396	18.42.6	C	10 12 „
19	32.083	23·32	90.0	47·54	89.8	.0923	.7359	18.40.9	C	11 12 „
20	30.573	23.39	90.4	47.54	90.3	.0935	.7359	18.40.7	C	Noon.
21	29.682	23.19	90.9	47.97	90.5	.0902	.7406	18.43.0	B	1 12 p. m.
22	29.887	22.83	91.2	48.03	91.0	.0843	.7413	18.44.1	B	2 12 „
23	31.397	22·51	91.4	48.19	91.3	.0791	.7430	18.45.4	B	3 12 „
JUNE 4TH-Noon.	32.288	22.28	91.3	48.50	91·6	·0754	.7465	18.47.2	B	4 12 „
1	33·455	21.94	90.5	48.38	91.0	.0708	.7451	18.47.3	G	5 12 „
2	33 455	21·92	90.0	48·32	90·7	.0704	.7445	18.47.2	G	6 12 „
3	32.769	21.95	89·5	48.32	90.5	.0709	.7445	18.47.1	G	7 12 „
4	32.220	21.97	89.0	48·31	90.2	.0712	.7444	18.47·6	G	8 12 „
5	32.769	22.01	89.0	48.49	90.2	.0709	.7463	18.47.7	C	9 12 „
6	33.455	21.97	88.8	48.49	89.9	.0712	.7463	18.47.7	C	10 12 „
7	33.249	21.81	88.5	48.48	89.6	.0686	.7462	18.47.8	C	11 12 „
8	33.523	21.91	88.1	48.50	89.2	.0703	.7465	18.47.9	C	Midnight.
9	33.455	21.90	87.5	48.49	88.0	.0701	.7463	18.47.8	B	1 12 a. m.
10	33.455	21.88	87.1	48·63	87.8	.0697	.7479	18·48.9	B	2 12 „
11	33.249	21.87	86.8	48.67	87.3	.0695	.7483	18.48.6	B	3 12 „
12	33.112	21.82	86.2	48.80	86.5	·0687	.7498	18.49.3	B	4 12 „
13	33.043	21.83	86.0	48.87	86.3	.0687	.7505	18.49.6	G	5 12 „
14	34.484	21.99	85.8	48.98	86.0	.0716	.7517	18.49.7	G	6 12 „
15	35.444	22.03	86.0	48.98	86.1	.0712	.7517	18.49.9	G	7 12 „
16	33.455	22.22	86.7	48.89	86.2	.0744	.7507	18.49.1	G	8 12 „
17	34.278	22.52	87.1	48.69	86.5	.0792	.7485	18.47.5	C	9 12 „
18	32.974	22.49	87.8	48.43	86.9	.0788	.7457	18.46.5	C	10 12 „
19	31.602	22.82	88.2	48.13	87.9	.0841	.7424	18.44.5	C	11 12 „
20	30.162	22.71	88.7	48.16	88.2	.0824	.7427	18.44.9	C	Noon.
21	30.299	22.63	89.0	48.50	88.3	.0810	.7465	18.46.5	B	1 12 p. m.
22	31.122	22.49	88.8	48·70	88.4	.0788	.7487	18.47.6	B	2 12 „
23	32.494	22.12	88.5	48.91	88·6	.0726	.7510	18.49.3	B	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 8TH JUNE 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizonal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Vertical Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JUNE 5TH-Noon.	33·386	21.97	88·5	49.02	88·9	8.0712	2.7522	18°50·0	B	4 12 p. m.
1	33.455	22.02	88.5	48.77	89.0	.0710	.7494	18.43.9	G	5 12 „
2	33.455	22.03	88.0	48.60	88.6	.0712	.7476	18.48.2	G	6 12 „
3	33.180	21.92	87.6	48.53	88.3	.0704	.7468	18.43.0	G	7 12 „
4	33.112	21.88	87.3	48.53	87.7	.0697	.7463	18.48.0	G	8 12 „
5	33.249	22.03	87.1	48.72	87.6	.0712	.7489	18.48.7	C	9 12 „
6	33.386	22.03	86.9	48.97	87.2	.0710	.7516	18.49.8	C	10 12 „
7	33.249	22.09	86.9	48.97	87.0	.0722	.7516	18.49.7	C	11 12 „
8	33.386	21.92	86.5	49.00	86.8	.0712	.7520	18.50.0	C	Midnight.
9	33.660	22.07	86.5	49.15	86.5	.0718	.7536	18.50.5	B	1 12 a. m.
10	33.769	22.03	86.3	49.10	86.5	.0712	.7531	18.50.4	B	2 12 „
11	33.180	22.08	86.0	49.09	86.6	.0720	.7529	18.50.0	B	3 12 „
12	33.180	22.22	85.7	49.00	86.3	.0744	.7529	18.49.9	B	4 12 „
13	33.455	22.14	85.5	49.10	85.1	.0730	.7531	18.50.1	G	5 12 „
14	34.415	22.15	85.5	49.19	85·3	.0731	.7539	18.50.4	G	6 12 „
15	35.109	22.28	85.7	49.19	87.3	.0754	.7539	18.50.1	G	7 12 „
16	34.755	22.68	86.5	49.01	87.7	.0818	.7521	18.48.5	G	8 12 „
17	34.141	23.09	87.2	49.69	87.9	.0886	.7485	18.46.2	C	9 12 „
18	32.700	23.41	88.1	49.52	88.9	.0939	.7467	18.46.9	C	10 12 „
19	31.877	23.47	89.0	49.46	88.0	.0948	.7460	18.44.4	C	11 12 „
20	30.848	23.31	89.0	49.45	88.3	.0922	.7459	18.44.8	C	Noon.
21	29.750	23.03	89.0	49.60	88.4	.0762	.7476	18.46.0	B	1 12 p. m.
22	30.642	22.71	89.0	49.95	88.2	.0075	.7503	18.47.8	B	2 12 „
23	32.426	22.27	89.6	49.15	39.0	.8248	.7525	18.49.5	B	3 12 „
JUNE 7TH-Noon.	32.226	22.08	86.3	49.19	86.3	.0720	.7540	18.50.6	C	4 12 „
1	33.045	21.77	86.0	49.28	86.2	.0679	.7550	18.51.6	C	5 12 „
2	33 383	21.68	85.7	49.18	86.0	.0654	.7539	18.51.4	B	6 12 „
3	33.450	21.55	85.0	49.17	85.8	.0633	.7538	18.51.7	G	7 12 „
4	33.455	21.55	84.7	49.20	85.0	.0633	.7542	18.51.8	G	8 12 „
5	33.455	21.64	84.1	49·29	84.6	.0648	.7551	18.51.9	C	9 12 „
6	34.003	21.52	83.6	49.28	83.7	.0628	.7550	18.52.2	C	10 12 „
7	33.660	21.57	83.2	49.51	83.2	.0636	.7576	18.53·0	C	11 12 „
8	33.866	21.59	83.0	49.52	83.1	.0640	.7577	18.53.1	C	Midnight.
9	33.866	21.54	83.0	49·61	83.0	.0632	.7587	18.53.6	B	1 12 a. m.
10	34.141	21.68	83.0	49.63	82.6	.0654	.7589	18.53.3	B	2 12 „
11	33.866	21.74	83.0	49.63	82.6	.0675	.7589	18.53.0	B	3 12 „
12	33.798	21.79	83.0	49.53	82.8	.0683	.7589	18.53.0	B	4 12 „
13	34.141	21.76	83.0	49.57	82.5	.0678	.7593	18.53.2	G	5 12 „
14	35.444	21.78	82.7	49.61	82.4	.0681	.7587	18.53.0	G	6 12 „
15	35.856	22.21	84.8	49.69	83.0	.0743	.7595	18.52.5	G	7 12 „
16	35.513	22.35	84.8	49.59	83.1	.0764	.7584	18.51.7	G	8 12 „
17	34.827	22.48	84.8	49.41	83.5	.0786	.7565	18.50.6	C	9 12 „
18	33.729	22.50	85.0	49.12	84.1	.0789	.7533	18.49.4	C	10 12 „
19	32.494	22.61	85.3	48.76	84.5	.0807	.7493	18.47.6	C	11 12 „
20	31.397	22.45	84.5	48.72	84.0	.0781	.7489	18.47.8	C	Noon.
21	30.162	22.44	84.5	49.06	83.6	.0780	.7526	18.49.3	B	1 12 p. m.
22	30.642	22.24	84.6	49.17	84.0	.0748	.7538	18.50.1	B	2 12 „
23	31.397	22.09	84.0	49.36	83.5	.0722	.7559	18.51.3	B	3 12 „
JUNE 8TH-Noon.	32.083	21.84	83.5	49.64	83.0	.0691	.7590	18.52.9	B	4 12 „
1	32.769	21.74	83.0	49.60	83.3	.0675	.7586	18.52.9	G	5 12 „
2	33.455	21.75	83.2	49.60	83.3	.0676	.7586	18.52.9	G	6 12 „
3	33.112	21.63	83.2	49.60	83.3	.0646	.7586	18.52.2	G	7 12 „
4	32.906	21.59	83.0	49.60	83.3	.0646	.7586	18.52.2	G	8 12 „
5	33.043	21.62	83.0	49.95	83 3	.0644	.7624	18.51.9	C	9 12 „
6	33.180	21.66	82.8	50.03	83.1	.0651	.7633	18.55.1	C	10 12 „
7	33.455	21.72	82.6	49.84	83.0	.0671	.7612	18.54.0	C	11 12 „
8	33.523	21.80	82.5	49.74	83 0	.0684	.7601	18.53.5	C	Midnight.
9	33.935	21.73	82.4	49.82	82.6	.0673	.7610	18.54.0	B	1 12 a. m.
10	34.003	21.90	82 5	49.83	82.5	.0701	.7611	18.53.6	B	2 12 „
11	34.003	21.87	82.5	49.82	82.4	.0695	.7610	18 53.6	B	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
June 8th—12	33·866	22.04	82·5	49.83	82·5	8.0714	2.7611	18°53′5	B	4 12 a. m.
13	34.141	21.81	82.3	49.85	82·3	.0686	.7613	18.53.8	G	5 12 „
14	35.444	21.75	82·2	50.02	82.0	.0676	.7632	18.54.7	G	6 12 „
15	35.238	21.94	82.5	49.88	82.5	.0708	.7616	18.53·8	G	7 12 „
16	34.827	22.03	83.0	49.66	82·8	.0712	.7592	18.52·7	G	8 12 „
17	33.866	22.20	83.5	49·57	83.2	.0741	.7582	18·51.9	C	9 12 „
18	33.043	22.45	84.8	49.48	84.2	.0781	.7572	18.51.0	C	10 12 „
19	31.602	22·45	85.0	49.34	84.8	.0781	.7557	18·50.6	C	11 12 „
20	31.328	22·37	85.0	49.23	84.8	.0767	.7545	18.50.2	C	Noon.
21	31.328	22.39	85·0	49.30	85.0	.0771	.7553	18.50.5	B	1 12 p. m.
22	31.465	22.21	85.5	49.40	85.4	.0743	.7554	18.51.2	B	2 12 „
23	31·945	22.00	85.5	49.41	85.4	.0707	.7565	18.51.7	B	3 12 „
June 9th—Noon.	32.494	21.83	85.2	49.40	85.1	·0689	.7564	18·51.8	B	4 12 „
1	32.769	21.72	85.0	49.55	85.0	.0671	.7580	18.52.8	G	5 12 „
2	32.769	21.76	84.5	49·65	85.0	.0678	.7591	18·53.1	G	6 12 „
3	32.769	21.68	84.3	49.65	85.0	.0654	.7591	18.53·4	G	7 12 „
4	33.043	21·64	84.2	49.65	85.0	.0648	.7591	18.53.4	G	8 12 „
5	33.043	21.54	83·8	49.55	84.9	.0632	.7580	18.53.3	C	9 12 „
6	33.180	21.60	83.5	49.54	84.6	·0641	.7579	18.53.1	C	10 12 „
7	33·249	21.67	83.4	49.50	84.3	.0652	.7575	18.52.8	C	11 12 „
8	33.502	21.64	83.3	49.48	84.1	.0648	.7565	18.52.4	C	Midnight.
9	33.866	21.70	83.3	49·61	83.6	.0663	.7587	18.53.1	B	1 12 a. m.
10	34.003	21.65	83.1	49.70	83.3	.0649	.7597	18.53.7	B	2 12 „
11	34.003	21.63	83.0	49·77	83.0	.0646	.7604	18.53.9	B	3 12 „
12	34.003	21.64	82.9	49.84	83.0	.0648	.7612	18.54.2	B	4 12 „
13	34.484	21.65	82.8	48.89	83.0	.0649	.7617	18.54.5	G	5 12 „
14	35.650	21.67	82.5	50.08	82.5	.0652	.7638	18.55.3	G	6 12 „
15	34.827	21.80	82.5	50.08	82.7	.0684	.7638	18.55.0	G	7 12 „
16	34.484	21.66	82.5	50.08	82.7	.0651	.7638	18.55.3	G	8 12 „
17	33.866	21.75	82.2	49.87	82.5	.0676	.7615	18 54.1	C	9 12 „
18	33.112	21.34	82.5	49·86	82.6	.0599	.7614	18.55.0	C	10 12 „
19	32·426	21.17	82.0	49.77	82.2	.0570	.7604	18.55.0	C	11 12 „
20	32.083	21.11	81.8	49.96	82.0	.0561	.7625	18.56.0	C	Noon.
21	32.288	21.11	82.4	50·12	82.2	.0561	.7643	18.56.7	B	1 12 p. m.
22	33.180	20.83	83.0	50.09	82.9	.0516	.7639	18.57.0	B	2 12 „
23	33.112	20·66	83.5	49.96	83.5	.0487	.7625	18·56.9	B	3 12 „
June 10th-Noon.	33.455	20.41	83.1	49·86	83.6	.0447	.7614	18.56.9	B	4 12 „
1	34.141	20.14	83.0	49.91	83.5	·0402	·7620	18.57.9	G	5 12 „
2	33.935	20.59	83.0	49.84	83.5	·0476	.7612	18.56.5	G	6 12 „
3	33.112	20.60	83.0	49.84	83.2	.0477	.7612	18.56.4	G	7 12 „
4	33.592	20.58	82·9	50·00	83.2	.0474	.7630	18.57.4	G	8 12 „
5	34.003	20.73	82.7	50.05	83.2	.0499	.7635	18.57.2	C	9 12 „
6	34.072	20.85	82.4	50.10	83.1	.0518	.7641	18.57.1	C	10 12 „
7	33.866	20.97	82.3	50.12	83·1	.0538	.7643	18·57.0	C	11 12 „
8	34.484	20.97	82.1	50.15	83.0	.0538	.7646	18·57.1	C	Midnight.
9	34.278	20·93	82.1	50.14	83.0	.0532	.7645	18.57.2	B	1 12 a. m.
10	34.552	20·95	82.0	50.08	82.6	·0535	.7638	18.56.8	B	2 12 „
11	34.837	20.98	81.6	50.17	82.3	.0540	.7648	18.57.2	B	3 12 „
12	34·278	21·08	81.3	50·20	81.8	.0556	.7652	18.57.0	B	4 12 „
13	35.101	21.13	81.0	50.23	81.6	.0564	.7655	18.57.2	G	5 12 „
14	34.827	21.07	81.2	50.43	81.6	.0554	.7677	18.58.1	G	6 12 „
15	35·444	21.17	81.5	50·46	82.0	·0570	.7680	18.58.0	G	7 12 „
16	35.444	21.21	82.0	50·56	82.1	.0579	.7691	18·58·3	G	8 12 „
17	34.552	21.44	82.5	50.27	82.3	.0616	.7661	18.56.5	C	9 12 „
18	33.523	21·83	83.2	50.05	82.8	.0689	.7635	18.54.7	C	10 12 „
19	32.906	21.83	83.5	49.84	83.0	.0689	·7612	18.53·7	C	11 12 „
20	31.740	21.96	84.1	49.63	83·5	.0711	.7589	18.52.6	C	Noon.
21	31.328	21.92	84.5	49.69	84·7	.0704	.7595	18.53.0	B	1 12 p. m.
22	32.014	21.77	84.8	49.76	84·8	.0679	.7603	18.53.4	B	2 12 „
23	33.249	21.48	85.2	49.80	85.1	.0622	.7608	18.54.5	B	3 12 „

DAILY OBSERVATIONS, FROM 11TH TO 14TH JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863
h.										h. m.
JUNE 11TH-Noon.	34·278	21.33	84·5	49.84	85·2	8.0597	2.7612	18°54·9	B	4 12 a. m.
1	34.484	21.35	83.9	49.93	84.2	.0600	.7622	18.55.3	G	5 12 „
2	34.072	21.18	83.5	49.92	84.0	.0572	.7621	18.55.7	G	6 12 „
3	33.592	21.13	83.2	49.92	84.0	.0564	.7621	18.55.8	G	7 12 „
4	33.729	21.19	83.0	49.99	83.5	.0574	.7628	18·56.0	G	8 12 „
5	34.415	20.99	83.0	50.06	83.5	.0542	.7636	18.56.7	C	9 12 „
6	34.141	21.13	83.1	50.12	83.6	.0564	.7643	18.56.6	C	10 12 „
7	34.141	21.08	83.1	50.13	83.5	.0556	.7644	18.56.7	C	11 12 „
8	34.141	21.14	83.0	50.17	83.2	.0566	.7648	18·56.8	C	Midnight.
9	34.141	20.97	82.5	50.24	82.9	.0538	.7656	18 57.5	B	1 12 a. m.
10	34.278	21.09	82.1	50.33	82·4	.0558	.7663	18.57.4	B	2 12 „
11	34.141	21.18	82.1	50.42	82.4	.0572	.7676	18.57.8	B	3 12 „
12	34.346	21.18	82.0	50.47	82.3	.0572	.7681	18.58.0	B	4 12 „
13	34.484	21.26	81.7	50·54	82.0	.0587	.7689	18.58.0	G	5 12 „
14	35.787	21.22	81.5	50.55	81.7	.0580	.7690	18.58.3	G	6 12 „
15	36.542	21.01	81.7	50.63	81.8	.0545	.7699	18.58.9	G	7 12 „
16	36.130	21.41	82.0	50.56	82.0	.0611	.7691	18.57.9	G	8 12 „
17	35.032	21.63	82.6	50.29	82.5	.0646	.7661	18.56.1	C	9 12 „
18	33.455	21.93	83.3	50.12	83.2	.0706	.7643	18·54.8	C	10 12 „
19	32.220	22.28	83.8	49.88	83.4	.0754	.7616	18.53.1	C	11 12 „
20	31.534	22.35	84.1	49.88	84.0	.0764	.7616	18.53.0	C	Noon.
21	31.602	22.12	84.5	50.11	84.2	.0726	.7642	18.54.4	B	1 12 a. m.
22	32.769	21.86	84.5	50.23	84.4	.0694	.7655	18.55.5	B	2 12 „
23	33.317	21.52	84·5	50.19	84.5	.0628	.7650	18.56.1	B	3 12 „
JUNE 12TH-Noon.	33.455	21.38	84.5	49.99	84.5	.0605	.7628	18.55.5	B	4 12 „
1	33.249	21·41	84.0	50.02	84.1	.0611	.7632	18.55.6	G	5 12 „
2	33.112	21.44	83.3	50·11	83.8	.0616	.7642	18.55.8	G	6 12 „
3	32.769	21.31	83.1	50.11	83.6	.0594	.7642	18.56.2	G	7 12 „
4	32.769	21.29	83.0	50.10	83.4	.0592	.7641	18.56.2	G	8 12 „
5	32.974	21.25	83.0	50.11	83.3	.0585	.7642	18.56·2	C	9 12 „
6	33.112	21.37	82.9	50.19	83·2	.0603	·7650	18.56.5	C	10 12 „
7	33·523	21.40	82.8	50.20	83.1	.0609	.7652	18.56.4	C	11 12 „
8	33.729	21.43	82.3	50.26	83.0	.0614	.7658	18.56.7	C	Midnight.
9	33.935	21.32	82.0	50.30	82.6	.0595	.7663	18.56.9	B	1 12 a. m.
10	34·346	21·26	82.0	50.40	82·5	.0587	.7574	18.57.4	B	2 12 „
11	34.209	21.34	81.9	50.37	82.3	·0599	.7670	18·57.2	B	3 12 „
12	34.552	21.44	81.9	50.45	82.3	.0616	.7679	18.57.2	B	4 12 „
13	34.552	21.52	81.5	50.44	82·0	.0628	.7678	18.57.1	G	5 12 „
14	35.101	21.65	82.0	50.55	82.2	.0649	.7690	18·57.3	G	6 12 „
15	35.101	21 66	82.0	50.47	82.2	.0651	.7681	18.56.9	G	7 12 „
16	34.827	21.95	82.2	50.47	82.2	.0709	.7681	18.56.2	G	8 12 „
17	33·729	22.00	82.5	50.10	82.4	.0707	.7641	18.54·7	C	9 12 „
18	32.083	22.34	83.3	49.88	83.0	.0763	.7616	18.53.0	C	10 12 „
19	30.711	22.45	84.3	49.74	83.9	.0781	.7601	18.52.1	C	11 12 „
20	29.819	22.00	84.1	49.73	84.0	.0707	.7600	18.53.1	C	Noon.
21	30.436	21.84	84.8	50·07	84.0	.0691	.7637	18.54.8	B	1 12 p. m.
22	31.465	21.60	84.6	50.27	84.0	.0641	.7657	18.56.3	B	2 12 „
23	32.563	21.27	82.6	50.46	83.4	.0588	.7674	18.57.4	B	3 12 „
JUNE 14TH-Noon.	33.866	20.92	82.0	49.78	82.7	.0530	.7605	18.55·7	G	4 12 „
1	33.455	21.06	81.4	50.05	81.8	.0553	.7635	18.56.5	G	5 12 „
2	33.455	21.20	81.4	50.35	81.8	.0577	.7668	18.57.4	G	6 12 „
3	33.249	21.19	81.5	50.42	82.0	.0574	.7676	18.57.8	G	7 12 „
4	33.043	21.22	81.5	50.46	82.0	.0579	.7680	18.57·9	G	8 12 „
5	33.112	21.22	81.5	50.47	82.0	.0579	·7681	18.57.9	C	9 12 „
6	33.455	21.35	81.3	50.49	82.0	.0600	·7683	18.57.7	C	10 12 „
7	33.523	21.23	81.0	50.49	81.8	.0581	.7683	18.58.0	C	11 12 „
8	33.798	21·28	80.5	50.34	81.5	.0581	·7667	18·57.2	C	Noon.
9	33.935	21·21	80.5	50.44	81.4	.0578	.7678	18.57.9	B	1 12 p m
10	34.278	21.22	80.6	50.44	81.4	.0579	.7678	18.57.8	B	2 12 „
11	33.866	21.46	81.0	50.39	81.6	.0619	.7672	18.56.9	B	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 16TH JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
June 14th—12	34°003	21.34	81°1	50.33	81°6	8.0599	2.7666	18°57′0	B	4 12 a. m.
13	34.484	21.42	80.5	50.35	81.5	.0612	.7668	18.57.0	G	5 12 ,,
14	35.238	21.48	80.5	50.52	81.4	.0622	.7687	18.57.6	G	6 12 ,,
15	35.787	21.43	80.5	50.54	81.4	.0614	.7689	18.57.8	G	7 12 ,,
16	34.964	21.53	80.7	50.55	81.5	.0630	.7690	18.57.6	G	8 12 ,,
17	34.003	21.68	80.9	50.48	81.7	.0654	.7682	18.56.9	C	9 12 ,,
18	33.043	21.77	80.6	50.36	81.6	.0670	.7669	18.56.3	C	10 12 ,,
19	32.083	21.99	80.5	49.56	81.2	.0706	.7592	18.52.8	C	11 12 ,,
20	31.945	21.99	80.5	49.77	81.1	.0714	.7590	18.52.6	C	Noon.
21	31.397	21.90	80.3	49.89	80.6	.0691	.7615	18.53.9	B	1 12 p. m.
22	31.808	21.86	80.3	49.97	80.6	.0684	.7626	18.54.4	B	2 12 ,,
23	33.043	21.74	80.2	50.12	80.6	.0665	.7643	18.55.4	B	3 12 ,,
June 15th-Noon.	33.592	21.53	80.2	50.10	80.7	.0630	.7641	18.55.7	B	4 12 ,,
1	33.866	21.38	80.4	50.03	81.0	.0605	.7633	18.55.7	G	5 12 ,,
2	33.935	21.36	80.4	50.03	81.0	.0602	.7633	18.55.8	G	6 12 ,,
3	33.523	21.19	79.3	50.02	80.5	.0574	.7632	18.56.1	G	7 12 ,,
4	33.112	21.21	79.2	50.03	80.2	.0579	.7633	18.56.1	G	8 12 ,,
5	33.317	21.09	79.4	50.21	80.3	.0558	.7653	18.57.1	C	9 12 ,,
6	33.249	21.30	79.8	50.14	80.6	.0592	.7645	18.56.4	C	10 12 ,,
7	34.003	21.27	80.1	50.22	80.8	.0588	.7654	18.56.7	C	11 12 ,,
8	34.141	21.06	80.2	50.18	81.1	.0602	.7649	18.56.4	C	Midnight.
9	34.278	21.17	80.3	50.15	81.0	.0570	.7646	18.56.7	B	1 12 a. m
10	34.807	21.18	80.4	50.15	81.0	.0572	.7646	18.56.8	B	2 12 ,,
11	34.415	21.20	80.5	50.08	81.1	.0577	7638	18.56.3	B	3 12 ,,
12	34.278	21.25	80.5	50.13	81.0	.0585	.7644	18.56.3	B	4 12 ,,
13	34.552	21.26	80.4	50.28	81.0	.0587	.7660	18.56.9	G	5 12 ,,
14	35.307	21.26	80.4	50.33	81.0	.0587	.7666	18.57.1	G	6 12 ,,
15	35.101	21.70	80.8	50.36	81.2	.0663	.7669	18.56.4	G	7 12 ,,
16	34.346	21.71	81.5	50.26	81.5	.0660	7659	18.56.0	G	8 12 ,,
17	33.317	21.89	82.1	49.95	82.1	.0689	.7624	18.54.3	C	9 12 ,,
18	31.945	22.05	83.2	49.92	82.9	.0715	.7621	18.53.7	C	10 12 ,,
19	30.573	21.88	81.3	49.63	82.0	.0687	.7589	18.53.0	C	11 12 ,,
20	30.025	21.79	81.4	49.55	82.1	.0673	.7578	18.52.7	C	Noon.
21	29.682	21.73	81.5	49.87	82.3	.0663	.7615	18.54.3	B	1 12 p. m
22	30.368	21.70	81.0	49.97	81.5	.0658	.7626	18.54.7	B	2 12 ,,
23	31.602	21.61	81.0	50.15	81.5	.0643	.7646	18.55.9	B	3 12 ,,
June 16th-Noon.	33.043	21.21	80.7	50.29	81.1	.0579	.7661	18.57.2	B	4 12 ,,
1	33.729	21.17	80.7	50.34	81.2	.0570	.7667	18.57.5	G	5 12 ,,
2	33.592	21.13	80.7	50.26	81.2	.0564	.7658	18.57.3	G	6 12 ,,
3	33.729	21.28	80.7	50.24	81.2	.0590	.7656	18.56.8	G	7 12 ,,
4	33.729	21.17	80.7	50.16	81.2	.0570	.7647	18.56.8	G	8 12 ,,
5	33.660	21.01	80.5	50.20	81 2	.0545	.7652	18.57.1	C	9 12 ,,
6	33.798	21.01	80.5	50.23	81.2	.0545	.7655	18.57.3	C	10 12 ,,
7	34.003	21.24	80.3	50.26	81.1	.0584	.7658	18.57.1	C	11 12 ,,
8	34.003	21.10	80.2	50.39	80.9	.0559	.7672	18.57.7	C	Midnight.
9	33.866	21.23	80.5	50.42	80.8	.0582	.7676	18.57.7	B	1 12 a. m.
10	33.798	21.26	80.5	50.53	80.9	.0587	.7688	18.58.0	B	2 12 ,,
11	33.935	21.18	80.4	50.42	80.7	.0572	.7676	18.57.8	B	3 12 ,,
12	34.003	21.27	80.1	50.50	80.5	.0588	.7685	18.57.9	B	4 12 ,,
13	34.484	21.34	80.3	50.52	80.5	.0599	.7687	18.57.9	G	5 12 ,,
14	35.718	21.43	80.6	50.56	80.8	.0614	.7691	18.57.9	G	6 12 ,,
15	36.199	21.61	80.9	50.53	81.1	.0643	.7688	18.57.4	G	7 12 ,,
16	36.336	21.94	81.6	50.43	81.5	.0698	.7677	18.56.2	G	8 12 ,,
17	35.856	21.96	81.2	50.42	81.5	.0701	.7676	18.56.2	C	9 12 ,,
18	33.455	21.90	81.2	50.12	81.6	.0691	.7643	18.55.0	C	10 12 ,,
19	34.346	22.14	82.1	49.95	82.1	.0730	.7624	18.53.7	C	11 12 ,,
20	33.523	22.24	82.9	49.96	82.8	.0748	.7625	18.53.5	C	Noon.
21	30.711	22.12	83.2	50.03	83.0	.0726	.7633	18.54.1	B	1 12 p. m.
22	31.122	21.99	83.2	50.05	83.2	.0706	.7635	18.54.5	B	2 12 ,,
23	31.945	21.84	83.9	50.11	83.7	.0681	.7642	18.55.1	B	3 12 ,,

DAILY OBSERVATIONS, FROM 17TH TO 19TH JUNE 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JUNE 17TH-Noon.	32'563	21.63	84°0	50.13	84°3	8.0646	2.7644	18°55'6	B	4 12 p.m.
1	33.180	21.52	83.8	50.12	84.0	.0628	.7643	18.55.8	G	5 12 „
2	33.455	21.48	83.5	50.06	84.0	.0622	.7636	18.55.6	G	6 12 „
3	33.386	21.26	82.8	50.08	83·4	.0586	.7638	18.56.1	G	7 12 „
4	33·386	21.22	82.6	50.09	83·0	.0579	.7639	18.56.3	G	8 12 „
5	33.455	21.19	82.2	50.11	83.0	.0574	.7642	18.56.5	C	9 12 „
6	33.660	21.19	82.1	50.15	82.8	.0574	.7646	18.56.7	C	10 12 „
7	33.592	21.23	82.1	50.17	82.6	.0581	.7648	18.56.7	C	11 12 „
8	33.592	21·47	82.1	50.23	82.6	.0621	·7655	18.56.4	C	Midnight.
9	34.003	21.33	82.3	50.23	82.6	.0597	.7655	18.56.7	B	1 12 a.m.
10	34·003	21.32	82.3	50.23	82.5	.0595	.7655	18.56.7	B	2 12 „
11	34.346	21.36	82.2	50.28	82.5	.0602	.7660	18·56.8	B	3 12 „
12	34.141	21.35	81.9	50.27	82.4	.0600	.7659	18.56.8	B	4 12 „
13	34.415	21.39	81.9	50.36	82.5	.0607	·7669	18.57.0	G	5 12 „
14	35.513	21.43	81.6	50.46	82.0	.0614	.7680	18.57.5	G	6 12 „
15	35.787	21·57	81.6	50.43	81.8	.0637	.7677	18.57.0	G	7 12 „
16	35.513	21.95	82.0	50.28	82.0	.0699	.7660	18.55.5	G	8 12 „
17	34.758	22.01	81.9	50.25	82.0	.0709	.7657	18.55.4	C	9 12 „
18	33.798	22.14	81.4	50.08	81.5	.0730	.7638	18.54.3	C	10 12 „
19	32.357	22.00	81.4	49.83	81.4	.0707	.7611	18.53.5	C	11 12 „
20	30.573	22.00	81.5	49.86	81.5	.0707	.7614	18.53.6	C	Noon.
21	30.299	22.08	81.5	49.99	81.4	.0720	.7628	18.54.0	B	1 12 p.m.
22	31.191	21.98	81.5	50.09	81.4	.0706	.7639	18.54.7	B	2 12 „
23	31.808	21.80	81.6	50.30	81·6	.0674	.7663	18.56.0	B	3 12 „
JUNE 18TH-Noon.	32.631	21.60	81.6	50.41	81.9	.0641	.7675	18.56.9	B	4 12 „
1	33.249	21.51	81.6	50.36	81.9	.0627	.7669	18.56.7	G	5 12 „
2	33.180	21.32	81·1	50.35	81.5	.0595	.7668	18.57.1	G	6 12 „
3	32.769	21.22	81.0	50.35	81.5	.0580	.7668	18.57.4	G	7 12 „
4	33.043	21.33	81.4	50.37	81.8	.0597	.7670	18.57.2	G	8 12 „
5	33.249	21.24	81.3	50.55	81·8	.0584	.7690	18.58.2	C	9 12 „
6	33.386	21.27	81.4	50.53	81.9	.0588	.7688	18.58.0	C	10 12 „
7	33·592	21.24	81.4	50.76	82.0	.0583	.7713	18.59.2	C	11 12 „
8	33.935	21.16	81·1	50.84	81.8	.0569	.7722	18.59.6	C	Midnight.
9	34.003	21.25	80.9	50.80	81.5	.0584	.7718	18.59.4	B	1 12 a. m.
10	33.935	21.36	81.5	50.77	81.8	.0602	.7714	18.58.9	B	2 12 „
11	34.141	21.24	81.3	50.70	81.7	.0583	.7707	18.59.0	B	3 12 „
12	33.866	21.34	81.1	50.70	81·6	.0599	.7708	18.58.7	B	4 12 „
13	33.866	21.44	81.3	50.75	81.8	.0616	.7712	18.58.5	G	5 12 „
14	35.650	21.45	81.3	50.56	82.0	.0617	.7691	18.57.7	G	6 12 „
15	36.610	21.41	80.9	50.55	81.5	.0611	.7690	18.57.9	G	7 12 „
16	36.542	21.63	81.0	50.55	81.5	.0646	.7690	18.57.3	G	8 12 „
17	35·101	21.95	82·2	50.14	82.6	.0699	.7645	18.54.9	C	9 12 „
18	33.798	22.25	83.3	49.94	83.4	.0748	.7623	18.53.5	C	10 12 „
19	32.151	22.43	84.0	49.61	84.1	.0778	.7587	18.51.7	C	11 12 „
20	31.397	22.53	84.3	49.58	84.3	.0794	.7583	18.51.3	C	Noon.
21	30.828	22.51	84.2	49.68	84.3	.0791	.7594	18.51.7	B	1 12 p.m.
22	30.642	22.55	84.1	43.78	84.4	.0797	.7605	18.52.1	B	2 12 „
23	31.122	22.33	84.4	49.94	84.5	·0761	.7623	18.53.3	B	3 12 „
JUNE 19TH-Noon.	31.671	22.19	84.3	49.99	84.6	.0738	.7628	18.53.8	B	4 12 „
1	32.083	21.99	84.3	50.14	84.7	.0706	.7645	18.54.8	G	5 12 „
2	32.083	21.95	83.9	50.14	84·5	.0699	.7645	18.54.9	G	6 12 „
3	32.083	21.79	83.3	50.13	84.2	.0673	.7644	18.55.3	G	7 12 „
4	32.083	21.70	83.0	50.37	84.0	.0658	.7670	18.56.4	G	8 12 „
5	32.563	21·67	82.8	50.40	83.7	.0653	.7674	18.56.6	C	9 12 „
6	32.906	21.58	82.7	50.52	83.6	.0638	.7687	18.57.4	C	10 12 „
7	33.043	21.62	82.4	50.52	83.3	.0644	.7687	18.57.3	C	11 12 „
8	33.455	21.45	82.0	50.53	82.9	.0617	.7688	18.57.7	C	Midnight.
9	33.729	21.48	81.9	50.57	82.2	.0622	.7692	18.57.8	B	1 12 a. m.
10	33.866	21.43	81.3	50.60	81·6	·0614	.7696	18.58.0	B	2 12 „
11	33.935	21.43	81.3	50.75	81.6	.0614	.7712	18.58.7	B	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 22ND JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
June 19th—12	34·141	21.39	81·4	50.80	81·6	8.0607	2.7718	18·59·0	B	4 12 a.m.
13	34·415	21.48	81.2	50.85	81.5	.0622	.7723	18.59.0	G	5 12 „
14	35.513	21.48	81.0	51.02	81.3	.0622	.7742	18·59.7	G	6 12 „
15	35.787	21.63	81·0	50.95	81.5	.0646	.7734	18.59.0	G	7 12 „
16	36.199	21.72	81.4	50.89	81.8	·0661	.7727	18·58.7	G	8 12 „
17	34.003	22.08	81.9	50.65	82.1	.0720	.7701	18.56.8	C	9 12 „
18	33.317	22.23	82.1	50.39	82.4	.0746	.7672	18·55.4	C	10 12 „
19	32.083	22.26	82.2	50.23	82·7	.0750	.7655	18.54.6	C	11 12 „
20	31.328	22.34	82.7	50.36	83.0	.0763	.7669	18.55.1	C	Noon.
21	31.945	22.22	83·3	50.25	82.4	.0743	.7657	18.54.9	B	1 12 p.m.
22	32.974	21.75	82·3	50.34	83.0	.0666	.7667	18.56.3	B	2 12 „
23	32.974	21.54	81·3	50.56	82.0	.0632	.7691	18.57.7	B	3 12 „
June 21st—Noon.	32.769	21.88	84.6	50·14	84·8	.0687	.7645	18.55·1	G	4 12 „
1	33.386	21.67	84.0	50.31	84.2	.0652	.7664	18.56.3	G	5 12 „
2	33.180	21.63	83.8	50.32	83.9	.0646	.7665	18·56.5	G	6 12 „
3	33.180	21.53	83.2	50.30	83·8	.0630	·7666	18·56·7	G	7 12 „
4	33.249	21.47	82.9	50.40	83.7	.0621	.7674	18.57·0	G	8 12 „
5	33.112	21.35	82.8	50.49	83.6	.0600	.7680	18.57.7	C	9 12 „
6	33.043	21.36	82.8	50.49	83.4	.0602	.7683	18.57·7	C	10 12 „
7	33.180	21.43	82.6	50.50	83.3	·0614	·7685	18.57.6	C	11 12 „
8	33.317	21.50	82.6	50·51	83.3	·0625	.7686	18.57.5	C	Midnight.
9	33.249	21.56	82.6	50.50	83.3	.0635	.7685	18.57.3	B	1 12 a.m.
10	33.729	21.56	82.6	50.55	83.2	.0635	.7690	18.57·5	B	2 12 „
11	33.729	21.58	82.6	50.42	83.2	.0638	.7676	18.56.9	B	3 12 „
12	33.729	21.59	82.6	50.42	83.2	.0640	.7676	18.56·9	B	4 12 „
13	34.072	21.65	82.5	50.45	83.0	.0649	.7679	18.57.0	G	5 12 „
14	35.470	21.78	82.7	50.49	83.1	·0671	.7683	18.56·8	G	6 12 „
15	35.924	21·93	82.7	50.59	83.1	·0696	.7694	18.56·9	G	7 12 „
16	36.473	22.14	82.7	50.57	83.1	.0730	.7672	18.56.4	G	8 12 „
17	36.199	22.35	83.0	50.15	83.4	.0764	·7642	18.54.2	C	9 12 „
18	35.032	22.41	83.2	49.99	83.8	.0775	.7628	18.53.3	C	10 12 „
19	33.798	22.59	83.4	49.60	84.0	.0804	.7586	18·51.3	C	11 12 „
20	32.563	22·50	83.6	49.59	84.1	.0789	.7584	18.51.3	C	Noon.
21	31.808	22.33	84.1	49·78	84.3	.0761	·7605	18.52.6	B	1 12 p.m.
22	32.014	22.05	84.4	50·06	84.7	.0720	.7636	18.54.2	B	2 12 „
23	32.906	21.72	84·5	50.24	84.7	.0661	.7656	18·55.9	B	3 12 „
June 22nd—Noon.	33.317	21·70	84.4	50.30	84.9	.0658	·7663	18.56.2	B	4 12 „
1	33.112	21.69	84.0	50.14	84.5	.0653	.7645	18.55.5	G	5 12 „
2	32.769	21.63	83·8	50.13	84·4	.0646	.7644	18.55.6	G	6 12 „
3	31.877	21.66	83.3	50.13	84.3	.0651	.7644	18.55.5	G	7 12 „
4	32.014	21.63	83·2	50·12	84.0	·0646	.7643	18·55.6	G	8 12 „
5	32.288	21·73	83.0	50.40	83·6	.0663	.7674	18.56.4	C	9 12 „
6	32.769	21.57	83·0	50.50	83.6	.0637	.7685	18.57.3	C	10 12 „
7	34.552	21.00	82.9	50.56	83·5	.0543	.7691	18.58.7	C	11 12 „
8	34.278	21·11	82·7	50.55	83.5	·.0561	·7690	18.58.5	C	Midnight.
9	35.787	21.30	82.6	50.75	83.3	.0592	.7712	18.59.0	B	1 12 a.m.
10	34·837	21.25	82.5	50.59	83.0	.0584	.7694	18.58.3	B	2 12 „
11	34·895	21·30	82.5	50.64	83.0	.0592	.7700	18.58.5	B	3 12 „
12	34.837	21.40	82.4	50.68	82.7	.0609	.7704	18.58.4	B	4 12 „
13	34·141	21·36	82·3	50.72	82.5	.0602	.7709	18.58.7	G	5 12 „
14	35.375	21.60	82.5	50.73	82.8	.0641	·7710	18.58.3	G	6 12 „
15	35.787	21.60	82.5	50.70	82.9	.0641	.7707	18.58.2	G	7 12 „
16	35·513	21.40	82.5	50.59	83.0	.0609	.7694	18.58.0	G	8 12 „
17	34.964	21.37	82.0	50.54	82.7	.0604	.7689	18·57.9	C	9 12 „
18	33.523	21.25	81.9	50.48	82.3	.0584	.7682	18.57.9	C	10 12 „
19	32.769	21·70	83.0	50.41	83.0	.0658	.7675	18.56.6	C	11 12 „
20	32.426	21.74	82.8	50.34	83.0	.0665	.7667	18.56.3	C	Noon.
21	31·534	21.79	83.3	50.05	83.3	.0673	.7635	18·55.0	B	1 12 p.m.
22	32.083	21.44	83.3	50.26	83.5	·0616	.7658	18.56.6	B	2 12 „
23	32.974	21.03	83.5	50.46	83.5	·0548	.7680	18.58.3	B	3 12 „

DAILY OBSERVATIONS, FROM 23RD TO 25TH JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
June 23rd-Noon.	33·523	21.19	83·6	50.47	84·0	8.0574	2.7681	18°58′0	B	4 12 p. m.
1	33·729	21.02	83.7	50.52	84.0	.0546	.7687	18.58.5	G	5 12 „
2	34.141	21.02	83.5	50.52	84.0	.0546	.7687	18.58.5	G	6 12 „
3	33.455	20.91	83.1	50.41	83.8	.0529	.7675	18.58.3	G	7 12 „
4	32.974	20.92	83.0	50.41	83.5	.0530	.7675	18.58.3	G	8 12 „
5	33.112	21.04	82.9	50.52	83.5	.0550	.7687	18.58.5	C	9 12 „
6	33.249	21.16	82.8	50.52	83.3	.0569	.7687	18.58.0	C	10 12 „
7	33.660	21.14	82.5	50.56	83.2	.0566	.7691	18.58.4	C	11 12 „
8	33.660	21.17	82.5	50·56	83.2	.0570	.7691	18·58.4	C	Midnight.
9	33.455	21.16	82.5	50.57	83.1	.0569	.7692	18.58.4	B	1 12 a.m.
10	33.729	21.37	82.5	50.59	83.0	.0603	.7694	18.58.1	B	2 12 „
11	33.798	21.29	82.4	50.49	83.0	.0591	.7683	18.57.8	B	3 12 „
12	33.798	21.19	82.4	50.54	83.0	.0574	.7689	18.58.0	B	4 12 „
13	33.729	21.08	82.1	50.53	83.0	.0556	.7688	18.58.4	G	5 12 „
14	34.141	21.21	82.0	50.57	82.9	.0578	.7692	18.58.4	G	6 12 „
15	34.827	21.35	82.2	50.59	83.0	.0600	.7694	18.58.1	G	7 12 „
16	35.513	21.29	81.6	50.68	82.0	.0591	.7704	18.58.6	G	8 12 „
17	34·895	21.68	81.9	50.61	82.2	.0654	.7697	18.57.6	C	9 12 „
18	34.209	21.91	82.7	50.41	82.9	.0693	.7675	18.56.2	C	10 12 „
19	33·249	21.97	83.8	50·20	83.8	.0703	.7652	18.55.2	C	11 12 „
20	32.769	22.01	84,2	50.04	84.2	.0709	.7634	18.54.4	C	Noon.
21	31.191	22.11	84.5	49.93	84.4	.0725	.7622	18.53.7	B	1 12 p. m.
22	31.740	21.96	84.7	50.19	84.7	.0701	·7650	18.55.2	B	2 12 „
23	32.769	21.63	84.9	50.40	85.0	.0646	.7674	18.56.6	B	3 12 „
June 24th-Noon.	33.523	21.40	84.5	50.40	85.0	.0609	.7674	18.57.1	B	4 12 „
1	34.141	21.22	84.3	50.34	84.5	.0579	.7667	18.57.4	G	5 12 „
2	33.935	21.17	84.0	50.34	84.5	.0571	.7667	18.57.5	G	6 12 „
3	33.729	21.12	83.7	50.26	84.1	.0562	.7658	18.57.3	G	7 12 „
4	32.769	21.14	83.3	50.22	84.0	.0566	.7654	18.57.0	G	8 12 „
5	33.043	21.13	83.2	50.21	84.0	.0562	.7653	18.57.0	C	9 12 „
6	33.317	21.18	83.1	50.25	83.9	.0572	.7657	18.57.2	C	10 12 „
7	33.523	21.35	83.0	50.28	83·8	.0600	.7660	18.56.8	C	11 12 „
8	34.003	21.38	82.8	50.40	83.5	.0605	.7674	18.57.4	C	Midnight.
9	33.866	21.25	82.8	50.42	83.3	.0584	.7676	18.57.5	B	1 12 a. m.
10	34.003	21.30	82.7	50.38	83.3	·0592	.7671	18.57.3	B	2 12 „
11	34.209	21·34	82.7	50.58	83.3	.0599	.7693	18.58·1	B	3 12 „
12	33.935	21.30	82.3	50.57	83.0	.0592	.7692	18.58.1	B	4 12 „
13	34.209	21.28	82.3	50.62	83.0	.0589	.7698	18.58.4	G	5 12 „
14	35·032	21.44	82.1	50.59	82.9	.0616	.7694	18.57.9	G	6 12 „
15	35.444	21·50	82.5	50.64	83.0	.0625	.7700	18·58.1	G	7 12 „
16	35.581	21.68	83.0	50.30	83.2	.0654	.7663	18.56.2	G	8 12 „
17	34·415	21.81	83.3	49.94	83.3	.0676	·7623	18·54.4	C	9 12 „
18	32.494	22.03	83.3	49.60	83.4	.0712	·7586	18.52.4	C	10 12 „
19	30.985	22.45	84.1	49.57	84.2	.0781	·7582	18.51.5	C	11 12 „
20	30.025	21·93	84.5	49.71	84.6	.0696	.7598	18.53.2	C	Noon.
21	30.505	21.89	84.3	49.83	84.3	.0689	.7611	18.53.8	B	1 12 p. m.
22	31.328	21.74	84.9	49.92	84·9	.0665	.7621	18.54.5	B	2 12 „
23	31·877	21.55	85·3	50.06	85.2	.0633	.7636	18.55.5	B	3 12 „
June 25th-Noon.	33.043	21.50	85.3	50.07	85.5	.0625	.7637	18.55.6	B	4 12 „
1	33.386	21.50	85.3	50.03	85.7	.0625	.7633	18.55.5	G	5 12 „
2	33.249	21.35	84.4	50.00	85.5	.0600	.7630	18.55.7	G	6 12 „
3	33.455	21.25	84.1	50.07	84.9	.0585	.7637	18.56.1	G	7 12 „
4	33.112	21.14	83·7	50.08	84.5	.0566	.7638	18.56.4	G	8 12 „
5	33·523	21.13	83.6	50.13	84.4	.0564	.7644	18.56.7	C	9 12 „
6	33.523	21.18	83.5	50.12	84.0	.0572	.7643	18.56.6	C	10 12 „
7	33.455	21.30	83.3	50.21	84.0	.0592	.7653	18.56.7	C	11 12 „
8	33.660	21.34	82.7	50.26	83.1	.0599	.7658	18.56.8	C	Midnight.
9	33.798	21·32	82.7	50.30	83.2	.0595	.7663	18.56.9	B	1 12 a.m.
10	34.003	21.34	82.7	50.36	83.2	.0599	.7669	18.57.2	B	2 12 „
11	33·592	21.39	82.7	50.38	83.2	.0607	.7671	18.57.1	B	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 28TH JUNE 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JUNE 25TH—12	33·386	21.35	82·6	50.45	83·2	8.0600	2.7679	18°57′5	B	4 12 a. m.
13	34.278	21.30	82·5	50.49	83.1	.0592	.7683	18.57.8	G	5 12 „
14	34.827	21.30	82·5	50.45	83·0	.0597	.7679	18.57.5	G	6 12 „
15	35.170	21.36	82.5	50.27	83·0	.0602	.7659	18.56.8	G	7 12 „
16	35.101	21.59	83.0	50.10	83.2	.0640	.7641	18.55.6	G	8 12 „
17	33.180	21.75	83.3	49.80	83.5	.0666	.7608	18.54.0	C	9 12 „
18	32.357	22.13	83.9	49.64	83.9	.0728	.7590	18.52.4	C	10 12 „
19	31·602	22.45	84.8	49.63	84.8	.0781	.7589	18.51.7	C	11 12 „
20	31.054	22.52	84.8	49.62	84·6	.0792	.7588	18.51.5	C	Noon.
21	31.328	22.38	84.7	49.74	84.7	.0769	.7603	18.52.4	B	1 12 p. m.
22	31.671	22.34	85.4	49.81	85.2	.0763	.7609	18.52.7	B	2 12 „
23	32·631	21.86	84.6	49·90	85.0	.0684	.7619	18.54.1	B	3 12 „
JUNE 26TH-Noon.	33·455	21.41	84.6	49.90	85.1	.0611	.7619	18.55.1	B	4 12 „
1	33.935	21.17	84.6	49.97	84.9	.0570	.7626	18.55.9	G	5 12 „
2	33.935	21.15	84.2	49.95	84.9	.0567	.7624	18.55.8	G	6 12 „
3	33.455	21.26	84.0	49.94	84.5	.0586	.7623	18.55.5	G	7 12 „
4	33.180	21.23	83.7	49.92	84.1	.0581	.7621	18.55.6	G	8 12 „
5	33.043	21.22	83.5	50.03	84.0	.0579	.7633	18.56.1	C	9 12 „
6	33.317	21.21	83.2	50.02	83·9	.0578	.7632	18.56.0	C	10 12 „
7	33.180	21.29	83.2	50.09	83.9	.0591	.7639	18.56.1	C	11 12 „
8	33.317	21.33	83.2	50.11	83.8	.0597	.7642	18.56.1	C	Midnight.
9	33.455	21.33	83.2	50.19	83·6	.0597	.7650	18.56.5	B	1 12 a. m.
10	33.592	21.32	83.1	50.19	83.5	.0595	.7650	18.56 5	B	2 12 „
11	33.592	21.37	83.1	50.16	83.5	.0604	.7647	18.56.4	B	3 12 „
12	33.866	21.33	83.1	50.26	83.5	.0597	.7658	18.56.8	B	4 12 „
13	34·141	21.42	82.9	50.30	83.4	.0612	.7663	18.56.8	G	5 12 „
14	35.307	21.57	82.9	50.24	83.2	.0637	.7656	18.56.2	G	6 12 „
15	36.473	21.69	83.0	50.20	83.3	.0656	.7652	18.55.7	G	7 12 „
16	36.199	21.77	83.2	50.10	83.4	.0670	.7641	18.55.2	G	8 12 „
17	34.689	22.11	83.9	49.90	84.1	.0725	.7619	18.53.5	C	9 12 „
18	33.523	22.20	84.2	49.73	84.5	.0740	.7600	18.52.7	C	10 12 „
19	33.112	22.34	85.0	49.63	85.1	.0763	.7589	18.51.9	C	11 12 „
20	32.494	22 39	85.8	49.54	85.9	.0771	.7579	18.51.4	C	Noon.
21	32.494	22.37	86.2	49·53	86.1	.0768	.7578	18.51.4	B	1 12 p. m.
22	32.974	22.22	86.5	49.55	86.5	.0743	.7580	18.51.9	B	2 12 „
23	33.317	21.86	86.5	49.56	87.0	.0684	.7581	18.52.7	B	3 12 „
JUNE 28TH-Noon.	34.003	21.73	86.1	49.67	87.0	.0663	.7593	18.53.4	C	4 12 „
1	34.141	21.57	85.8	49.63	86.7	.0637	.7589	18.53.5	C	5 12 „
2	34.072	21.32	85.0	49.58	86.0	.0595	.7583	18.53.8	G	6 12 „
3	33.386	21.32	84.6	49.56	85.4	.0595	.7581	18.53.7	G	7 12 „
4	33.249	21.23	84.4	49.65	85.0	.0581	.7591	18.54.4	G	8 12 „
5	33.043	21.23	84.1	49.67	85.0	.0581	.7593	18.54.5	C	9 12 „
6	33.386	21.23	84.0	49.70	84.8	.0581	.7600	18.54.8	C	10 12 „
7	33.386	21.23	83.9	49.75	84.6	.0581	.7602	18.54.8	C	11 12 „
8	33.523	21.27	83.8	49.78	84.4	.0588	.7605	18.54.8	C	Midnight.
9	33.866	21.28	83.7	49.77	84.0	.0589	.7604	18.54.7	B	1 12 a. m.
10	33.866	21.36	83.6	49.77	84.0	.0602	.7604	18.54.6	B	2 12 „
11	33.866	21.38	83.5	49.77	84.0	.0605	.7604	18.54.5	B	3 12 „
12	33.866	21.44	83.5	49.81	83.8	.0616	.7609	18.54.5	B	4 12 „
13	34.415	21.44	83.3	49.89	83.5	.0616	.7617	18.54.9	G	5 12 „
14	35.375	21.54	83.3	49.91	83.5	.0632	.7620	18.54.9	G	6 12 „
15	35.307	21.73	83.3	49.91	83.5	.0663	.7620	18.54.5	G	7 12 „
16	35.856	21.98	83.5	49.71	83.5	.0704	.7598	18.53.1	G	8 12 „
17	33.798	22.24	83.8	49.60	83.9	.0747	.7586	18.52.9	C	9 12 „
18	32.083	22.48	84.4	49.45	84.3	.0786	.7569	18.50.7	C	10 12 „
19	30.848	22.54	85.0	49.39	84.8	.0796	.7562	18.50.3	C	11 12 „
20	30.985	22.49	85.4	49.42	85.2	.0788	.7566	18.50.6	C	Noon.
21	31.808	22.28	85.7	49.62	85.5	.0753	.7588	18.52.0	B	1 12 p. m.
22	32.357	22.19	85.8	49.67	85.5	.0738	.7593	18.52.4	B	2 12 „
23	33.386	21.82	85.4	49.87	85.5	.0677	.7615	18.54.1	B	3 12 „

DAILY OBSERVATIONS, FROM 29TH JUNE TO 1ST JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
June 29th-Noon.	34·415	21.43	85·1	49.84	85·4	8.0614	2.7612	18°54′8	B	4 12 p. m.
1	34.552	21.35	84.8	49.76	85.2	.0600	.7603	18.54.0	G	5 12 „
2	34.141	21·31	84.2	49.65	85 0	.0594	.7591	18.54.2	G	6 12 „
3	33·455	21.32	84.0	49.54	84.7	.0595	.7579	18.53.6	G	7 12 „
4	33.180	21.33	83.8	49.56	84.5	.0597	.7581	18.53.7	G	8 12 „
5	33.180	21.28	83.5	49.62	84.3	.0589	.7588	18.54.1	C	9 12 „
6	33.523	21.26	83.4	49.66	84.2	.0586	.7592	18.54.2	C	10 12 „
7	33.523	21.38	83.3	49.66	84.1	.0605	.7592	18.54.0	C	11 12 „
8	33.592	21.32	83.3	49.68	84.0	.0595	.7594	18.54.2	C	Midnight.
9	33.729	21.39	83.4	49.71	83.6	.0607	.7598	18.54.3	B	1 12 a. m.
10	33.798	21.46	83.4	49.76	83.6	.0619	.7603	18.54.3	B	2 12 „
11	33.660	21.53	83.2	49.81	83·5	.0630	.7609	18.56.4	B	3 12 „
12	33·660	21·51	83.1	49.81	83.5	·0627	.7609	18.56.4	B	4 12 „
13	34.621	21.54	83.0	49.84	83.3	.0632	.7612	18·54.5	G	5 12 „
14	34.552	21.61	83.0	49.71	83.0	.0643	.7598	18.53.9	G	6 12 „
15	35.513	21.77	83.0	49.59	83.1	.0670	.7584	18 52.8	G	7 12 „
16	35·101	22.00	83·8	49.59	83.5	.0707	·7584	18.52·4	G	8 12 „
17	33.180	22.25	84.9	49.43	84·6	.0748	.7567	18.51.2	C	9 12 „
18	31·602	22 53	85.5	49.35	85.2	.0794	.7558	18.50.4	C	10 12 „
19	30.779	22.61	86.2	49.10	86.0	.0807	.7531	18.49.1	C	11 12 „
20	30.642	22.49	86.5	49.09	86.2	.0788	.7529	18.49·2	C	Noon.
21	31.191	22·35	86.9	49.05	86.5	.0764	.7525	18.49.5	B	1 12 p. m.
22	31.671	22.21	87.0	49·06	87.0	.0742	.7526	18.49.8	B	2 12 „
23	33.112	22.09	87.1	49.17	87.3	.0722	.7538	18.50.5	B	3 12 „
June 30th-Noon.	33.592	21.93	86.9	49.21	87.1	.0696	.7543	18.50.9	B	4 12 „
1	33.866	21.72	86.5	49·21	86·9	·0661	.7543	18.51.5	G	5 12 „
2	33.523	21.59	85.8	49.11	86.2	.0640	.7532	18.51.4	G	6 12 „
3	33·043	21.55	85.0	49.16	85·9	.0633	.7537	18.51.6	G	7 12 „
4	33.043	21.37	84.7	48.77	85.5	.0604	.7494	18.50.3	G	8 12 „
5	33.317	21.43	84.6	48.32	85.5	.0614	.7445	18.48.3	C	9 12 „
6	33.317	21.36	84.3	48.16	85.3	.0602	.7427	18.47.8	C	10 12 „
7	33.729	21.38	84.1	48.04	85.1	.0609	.7414	18.47.1	C	11 12 „
8	33.798	21·41	84.0	47.93	84.9	.0611	.7402	18·46.7	C	Midnight
9	33.866	21.38	83.7	47.93	84·2	.0605	.7402	18.46.7	B	1 12 a. m.
10	34.072	21·44	83.7	47·90	84.1	.0616	.7399	18.46.5	B	2 12 „
11	34.003	21.53	83.5	47·87	84.0	.0630	.7395	18.46.1	B	3 12 „
12	34.072	21.58	83.5	47.87	84.0	.0638	.7395	18.46.0	B	4 12 „
13	34.415	21.63	83.2	47.92	83.9	.0646	.7401	18.46.1	G	5 12 „
14	35.444	21·73	83.0	48.09	83.5	.0663	.7419	18.46.6	G	6 12 „
15	36.885	21.74	83.3	48.11	83.8	.0665	.7422	18·46.7	G	7 12 „
16	36.336	22.10	83.8	47.90	84.0	.0723	.7399	18.45.1	G	8 12 „
17	34.689	22.36	84.5	47.68	84.4	.0764	.7374	18.43.8	C	9 12 „
18	33.455	22·92	85.4	47.40	85.0	.0858	·7344	18.41.1	C	10 12 „
19	32.426	22.75	86.1	47.37	85·5	.0830	.7340	18.41.4	C	11 12 „
20	31.671	22.58	86.6	47.23	86.1	.0802	.7325	18.41.2	C	Noon.
21	31·740	22.45	87.0	47.39	86.5	.0781	.7342	18.42.1	B	1 12 p. m.
22	31.808	22.37	87.1	47·49	86.9	.0768	.7353	18 42.7	B	2 12 „
23	32·151	22.04	87·1	47.52	87.0	.0714	.7357	18.43.5	B	3 12 „
July 1st-Noon.	32.700	21.67	87.1	47.59	87.2	.0652	.7364	18.44.6	C	4 12 „
1	33.317	21.46	86.6	47.51	87.0	.0619	.7356	18.44.8	B	5 12 „
2	32.700	21.54	86.0	47.45	86.6	.0632	.7349	18.44.3	B	6 12 „
3	32.083	21·70	85.3	47.40	86.1	·0658	.7344	18.43.7	B	7 12 „
4	32.426	21.57	84·3	47.50	85.1	.0636	.7355	18.44.4	B	8 12 „
5	32.494	21.62	84.3	47.56	85.2	.0644	.7361	18.44.6	G	9 12 „
6	32.906	21·57	84.3	47.65	85.0	.0636	.7371	18.45.1	G	10 12 „
7	33.249	21.62	84.0	47.64	84.8	.0644	.7370	18.44.9	G	11 12 „
8	33.455	21.90	83.9	47.72	84.5	.0691	.7379	18.44.7	G	Midnight.
9	33.798	21.87	83.6	47.74	84.4	.0686	.7381	18.44.8	C	1 12 a. m.
10	33.866	21.85	83.4	47.76	84.2	·0682	.7383	18.44.9	C	2 12 „
11	33.523	21.78	83.3	47.81	84.0	.0671	.7389	18.45.4	C	3 12 „

DAILY OBSERVATIONS, FROM 1ST TO 3RD JULY 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
JULY 1ST—12	33°317	21.82	83°2	47.83	83°9	8.0677	2.7391	18°45'3	C	4 12 a. m.
13	34.278	21.86	83.1	47·86	83.5	·0684	.7394	18.46·3	B	5 12 „
14	35.650	21.84	83.0	48.06	83.5	.0681	.7416	18.46.2	B	6 12 „
15	35·718	21.83	83.2	48.03	83.5	.0679	.7413	18.46.2	B	7 12 „
16	35·444	21.89	83.7	47.96	83.7	.0689	.7405	18.45.7	B	8 12 „
17	34.141	22·02	84.3	47.72	84·0	.0710	.7379	18.44.2	G	9 12 „
18	32.083	22.25	85.0	47.66	84·7	.0748	.7372	18.43.5	G	10 12 „
19	30.711	22.39	85.9	47.46	85.2	.0771	.7350	18.42.6	G	11 12 „
20	30·162	22.37	86.1	47.46	85.4	.0768	.7350	18·42.6	G	Noon.
21	30.025	22.35	86.4	47.66	85·9	.0764	.7372	18.43.5	C	1 12 p. m.
22	30.642	22.27	86.8	47.68	86.3	.0752	.7374	18.43.6	C	2 12 „
23	32.769	21.94	86.1	47.83	86.1	.0698	.7391	18.45·0	C	3 12 „
JULY 2ND—Noon.	33.455	21.82	86.1	47.80	86.3	.0677	.7388	18.45.2	C	4 12 „
1	33.455	21.82	85.6	47.73	86.1	.0677	.7380	18.44.9	B	5 12 „
2	33.249	21.88	84.6	47.57	85.7	.0687	.7362	18.44.1	B	6 12 „
3	32.494	21.94	84.4	47.51	85.1	.0698	.7356	18.43.7	B	7 12 „
4	32.288	21.97	84.3	47.60	85.1	.0702	.7366	18.44.1	B	8 12 „
5	33.180	21.59	84.1	47.65	85·0	.0640	.7371	18.45.1	G	9 12 „
6	33.043	21.67	84.0	47.58	84.7	.0653	·7363	18.44.6	G	10 12 „
7	33.043	21·70	83.9	47·62	84.5	.0658	.7368	18.44.7	G	11 12 „
8	33.935	21·73	83.0	47.72	84·0	.0633	.7379	18.45.1	G	Midnight.
9	33.660	21.60	83.0	47.87	84.0	.0641	.7395	18.46.0	C	1 12 a.m.
10	34.072	21.50	83.0	47.89	84.0	.0625	.7397	18.46·3	C	2 12 „
11	34.552	21.79	82.9	47.92	83·8	.0673	.7401	18.45.8	C	3 12 „
12	33.798	21.75	82.9	47.92	83.7	.0666	.7401	18.45.8	C	4 12 „
13	34 689	21.71	82.9	47.96	83.5	.0660	.7405	18.46.1	B	5 12 „
14	35.993	21.81	83.1	48.06	83.5	·0676	.7416	18.46.3	B	6 12 „
15	36·267	22.04	83.3	47.96	83.5	.0714	.7405	18.45.4	B	7 12 „
16	35.513	22.08	83·5	47·86	83.5	.0720	.7494	18·44.8	B	8 12 „
17	33.729	22.13	83.8	47.81	83.6	.0723	.7389	18.44.6	G	9 12 „
18	33.249	22.16	84.0	47.41	83.8	.0733	.7345	18.42.8	G	10 12 „
19	31.399	22.47	84·8	47.26	84.5	.0784	.7328	18.41.5	G	11 12 „
20	31.191	22.43	85.3	47.33	84.9	.0778	.7336	18.41.9	G	Noon.
21	31.602	22.36	86.1	47.26	85·5	.0766	.7328	18.41.7	C	1 12 p. m.
22	31.054	22.11	85.8	47.36	85.4	.0725	.7339	18.42.7	C	2 12 „
23	32.357	21.87	86·1	47·46	85.9	.0686	.7350	18.43.7	C	3 12 „
JULY 3RD—Noon.	33.386	21.68	86.1	47.65	86.0	.0654	.7371	18.44.8	C	4 12 „
1	33.729	21·47	85.6	47.67	85.8	.0621	.7373	18.45.3	B	5 12 „
2	34.689	21.46	85.3	47.77	85.6	.0619	.7384	18.45.7	B	6 12 „
3	34·552	21.34	84.6	47.61	85.4	.0599	.7367	18·45.4	B	7 12 „
4	33.866	21.28	84.4	47.70	85.1	.0589	.7377	18.45.9	B	8 12 „
5	33.866	21·33	84.0	47.75	85.0	.0597	.7382	18.45.9	G	9 12 „
6	33 729	21.53	83.8	47.74	84.6	.0630	.7381	18.45.5	G	10 12 „
7	33.455	21.47	83.7	47.71	84.3	.0621	.7378	18.45·5	G	11 12 „
8	33.729	21.43	83.5	47.73	84.2	.0614	.7380	18.45.8	G	Midnight.
9	33.798	21.41	83.3	47.79	84.1	06.11	.7386	18.46.0	C	1 12 a. m.
10	33.866	21.46	83.3	47.77	84.0	.0619	.7384	18.45.7	C	2 12 „
11	33·866	21.43	83.0	47.76	83.8	.0614	.7383	18.45.9	C	3 12 „
12	33·866	21.40	82.8	47.74	83.5	.0609	.7381	18.45.8	C	4 12 „
13	34.415	21·50	82.3	47.87	83.0	.0625	.7395	18.46.1	B	5 12 „
14	35.513	21.58	82.1	47.98	82·6	.0638	.7407	18.46·5	B	6 12 „
15	36.404	21.82	82.6	47.98	82.7	.0677	·7407	18.46.0	B	7 12 „
16	35.513	21.91	83.4	47.82	83·3	.0693	.7390	18.45.1	B	8 12 „
17	34.827	22.19	84.3	47.79	83.7	.0738	.7386	18.44.3	G	9 12 „
18	34.141	22.53	85.0	47.53	84.3	.0794	.7358	18.42.6	G	10 12 „
19	33.455	22.51	85.3	47.47	85.0	.0791	.7351	18.42.3	G	11 12 „
20	33.249	22.58	85.8	47.46	85.3	·0802	.7350	18.42·2	G	Noon.
21	32.769	22.35	86.1	47.44	86.0	.0764	.7348	18.42·6	C	1 12 p. m.
22	32.494	22.25	86.5	47.44	86.4	.0748	.7348	18.42.7	C	2 12 „
23	33·249	21.88	86.5	47.42	86.4	.0687	.7346	18.43.5	C	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 7TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 5th-Noon.	32·906	21.79	84°1	47.54	84°7	8.0673	2.7359	18°44'2	C	4 12 p. m.
1	34.072	21.65	84.1	47.54	84.7	.0649	.7359	18.44.4	B	5 12 „
2	34.209	21.60	83.5	47.39	84.6	.0641	.7342	18.43.9	B	6 12 „
3	33.660	21.58	83.5	47.37	84.0	.0638	.7340	18.43.9	B	7 12 „
4	33.455	21.55	83.4	47.36	83.7	.0633	.7339	18.43.9	B	8 12 „
5	33.180	21.60	82.2	47.38	83.2	.0641	.7341	18.43.9	G	9 12 „
6	33.455	21.60	82.5	47.31	83.5	.0641	.7334	18.43.6	G	10 12 „
7	33.729	21.65	82.7	47.31	83.5	.0649	.7334	18.43.4	G	11 12 „
8	33·798	21.65	82.7	47.31	83.5	.0649	.7334	18.43.4	G	Midnight.
9	33.660	21.63	82.6	47·35	83·2	.0646	.7338	18.43.6	C	1 12 a. m.
10	33.798	21.52	81.9	47.38	82.9	.0628	.7341	18.44.0	C	2 12 „
11	33.660	21.59	82.0	47.39	82.9	.0640	.7342	18.43.9	C	3 12 „
12	33·660	21.68	82·2	47.41	83.0	.0646	.7345	18.43.9	C	4 12 „
13	34.141	21.56	82.3	47.41	82.9	.0635	.7345	18.44.1	B	5 12 „
14	35.444	21.63	82.1	47.44	82.9	.0646	.7348	18.44.0	B	6 12 „
15	36.267	21.84	82.5	47.53	82.8	.0681	.7358	18.44.1	B	7 12 „
16	36.061	22.18	83.0	47.44	83.1	.0736	.7348	18.42.9	B	8 12 „
17	34.484	22.48	84.0	47.21	83.5	.0786	.7323	18.41.2	G	9 12 „
18	32.837	22.76	84.5	47.00	84.0	.0832	.7300	18.39.8	G	10 12 „
19	30.711	22.84	85.2	46.84	84.5	.0845	.7282	18.38.7	G	11 12 „
20	29.613	22.82	85.7	46.85	85·0	.0841	.7283	18.39·0	G	Noon.
21	28.721	22.78	86.1	46.81	85.6	.0835	.7279	18.38.8	G	1 12 p. m.
22	28.515	22.53	86.2	46.82	85.9	.0794	.7280	18.39.5	C	2 12 „
23	30.368	22.24	86.3	46.97	86.2	·0748	.7296	18.40.6	C	3 12 „
July 6th-Noon.	31.740	21.99	86.1	47·00	86.2	.0706	.7300	18.41.4	C	4 12 „
1	32.700	21.86	85.6	47.04	86.3	.0684	.7304	18.41.8	B	5 12 „
2	32.769	21.89	85.2	46.92	85.7	.0689	.7291	18.41.2	B	6 12 „
3	32.563	21.88	84.6	46.91	85.3	.0687	.7290	18.41.3	B	7 12 „
4	32.426	21.84	84.1	46.92	84.8	.0681	.7291	18.41.4	B	8 12 „
5	32.769	21.97	84.0	46·92	84.5	.0703	.7291	18.41.1	G	9 12 „
6	32.769	21.91	83.4	47.12	84.0	.0693	.7313	18.42.1	G	10 12 „
7	33.180	21·68	83.2	47.11	83.6	.0654	.7312	18.42.6	G	11 12 „
8	33.455	21.58	83.0	47.10	83.6	.0638	.7311	18.42.7	G	Midnight.
9	34.072	21.60	83.0	47.12	83.3	.0641	.7313	18.42.8	C	1 12 a. m.
10	34.209	21.66	83.0	47.16	83.3	.0651	.7317	18.42.8	C	2 12 „
11	34.278	21.71	82.9	47.16	83.2	.0660	.7317	18.42.7	C	3 12 „
12	34.278	21.72	82.5	47.17	83.1	.0661	.7318	18.42.7	C	4 12 „
13	34.758	21.72	82.3	47.18	82.5	.0661	.7319	18.42.7	B	5 12 „
14	35.787	21.82	82.2	47.28	82.5	.0677	.7330	18.43.0	B	6 12 „
15	36.542	21·98	82.1	47.28	82.5	.0704	.7330	18.42.7	B	7 12 „
16	36.816	21.86	82.0	47.27	82.3	.0684	.7329	18.42.8	B	8 12 „
17	36.542	22.19	81.6	47.32	82.1	.0738	.7335	18.42.4	G	9 12 „
18	34.964	22.29	81.6	47.06	82.0	.0755	.7306	18.40.9	G	10 12 „
19	33.729	22.48	82.4	46.97	82.3	.0786	.7296	18.40.1	G	11 12 „
20	33.455	22.41	82.0	47.00	82.0	.0775	.7300	18.40.5	G	Noon.
21	32.621	22·40	81.2	47.04	82.0	.0773	.7304	18.40.7	C	1 12 p. m.
22	32.494	22.44	82.5	47.07	82.5	·0780	.7307	18.40.8	C	2 12 „
23	32.426	22.23	83.0	47.11	82.9	.0745	.7312	18.41.2	C	3 12 „
July 7th-Noon.	33.112	21·80	83.1	47.17	83.4	.0674	.7318	18.42.5	C	4 12 „
1	34.141	21.48	83.1	47.14	83.1	.0622	.7315	18.43.1	B	5 12 „
2	33.728	21.62	83.0	46.99	83.1	.0644	.7298	18.42.1	B	6 12 „
3	32.906	21.63	82.9	46.89	83.1	.0646	.7287	18.41.6	B	7 12 „
4	32.631	21.60	82.7	46.89	83.1	.0641	·7287	18.41.8	B	8 12 „
5	32.769	21.38	82.4	46.83	83.0	.0605	·7281	18.41.9	G	9 12 „
6	33.455	21·42	82.0	46.88	82.8	.0612	.7286	18.42.1	G	10 12 „
7	33.455	21·32	81·8	47.08	82.5	.0595	.7308	18.43.1	G	11 12 „
8	33.866	21.29	81·6	47.07	82.4	.0592	.7307	18.43.2	G	Midnight.
9	34.003	21.20	81.4	47.07	82.3	.0576	.7307	18.43.4	C	1 12 a. m.
10	34.209	21.15	81.4	47.16	82.3	.0567	.7317	18.43.9	C	2 12 „
11	34.758	21.37	81.3	47.16	82.2	.0603	.7317	18.43.5	C	3 12 „

DAILY OBSERVATIONS, FROM 7TH TO 9TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 7th—12	34·621	21.48	81°2	47.12	82°1	8.0622	2.7318	18°430	C	4 12 a. m.
13	35.101	21.62	81.2	47.18	81.9	.0644	.7319	18.43.0	B	5 12 „
14	36.473	21.66	80.6	47.32	81.4	.0651	.7335	18.43.5	B	6 12 „
15	36.953	21·76	80.9	47.20	81.6	·0668	.7322	18.42.8	B	7 12 „
16	36.199	21.88	81.0	46.95	81.5	.0687	.7294	18·41.4	B	8 12 „
17	34·827	22.27	81.8	46.87	81.8	.0752	.7285	18.40.2	G	9 12 „
18	33·455	22.60	82.0	47.06	82.1	.0805	.7306	18.40.3	G	10 12 „
19	31.877	22.47	81·8	46.96	82.0	.0785	.7295	18.40.3	G	11 12 „
20	30.299	22.42	81.8	46.74	82.0	.0776	.7271	18.39.3	G	Noon.
21	31.122	22.29	81.5	47.06	82.0	.0755	.7306	18·41.6	C	1 12 p. m.
22	31.945	22.01	81.4	47.32	82.0	.0709	.7335	18.42.8	C	2 12 „
23	32.906	21.63	81.2	47.55	82.0	.0646	.7327	18.43.2	C	3 12 „
July 8th-Noon.	33.112	21.45	81.5	47.17	82.0	.0617	.7318	18.43.3	C	4 12 „
1	32.974	21.23	81.2	47.06	82.0	.0581	.7306	18.43.2	B	5 12 „
2	33.043	21.28	80.7	46.95	81.6	.0572	.7294	18.42.9	B	6 12 „
3	33.043	21.07	80.5	46.94	81.3	.0554	.7293	18.43.1	B	7 12 „
4	32.837	21.16	80.6	46.92	81.3	.0569	.7291	18.42.8	B	8 12 „
5	33.729	21.21	80.6	46.74	81.3	.0578	.7271	18.42.0	G	9 12 „
6	34.072	21.57	81.0	46.95	81.5	.0636	.7294	18.42.0	G	10 12 „
7	33.866	21.41	81.0	47.05	81.5	.0611	.7305	18.42.9	G	11 12 „
8	34.209	21.39	80.8	47.04	81.3	.0607	.7304	18.42.8	G	Midnight.
9	34.278	21.36	80.6	46.83	81.3	.0602	.7281	18.42.0	C	1 12 a. m
10	34 552	21.41	80.5	46.70	81.3	.0611	.7267	18.41.4	C	2 12 „
11	34.278	21.34	80.1	46.68	81.0	.0599	.7264	18.41.3	C	3 12 „
12	34.484	21.24	79.7	46.65	80.7	.0584	.7261	18.41.5	C	4 12 „
13	34.552	21.35	80.0	46.67	80.5	.0600	.7263	18.41.3	B	5 12 „
14	35.238	21.40	80.0	46.77	80.5	.0609	.7274	18.41.6	B	6 12 „
15	36.404	21.58	79.6	46.91	80.2	.0638	.7290	18.41.9	B	7 12 „
16	36.610	21.56	79.5	46.80	80.1	.0635	.7278	18.41.4	B	8 12 „
17	35.856	21.76	79.5	46.74	80.1	.0668	.7271	18.40.7	G	9 12 „
18	34.415	22.10	80.0	46.50	80.1	.0723	.7245	18.39.1	G	10 12 „
19	32.083	22.22	80·6	46.00	80.1	.0744	.7190	18.36.7	G	11 12 „
20	31.259	22.23	81.0	46.02	80.5	.0746	.7192	18.36.5	G	Noon.
21	31.602	22.30	81.6	46.12	81.2	.0756	.7203	18.36.9	C	1 12 p. m
22	31.740	21.96	82.0	46.14	81.6	.0701	.7205	18.37.8	C	2 12 „
23	32.014	21.51	82.1	46.17	81.9	.0627	.7208	18.38.9	C	3 12 „
July 9th-Noon.	33.523	21.05	82.0	46.23	82.1	.0551	.7215	18.40.1	C	4 12 „
1	33 660	21.15	81.9	46.46	81.9	.0567	.7240	18.40.9	B	5 12 „
2	33.592	21.12	81.5	46.35	81.8	.0562	.7228	18.40.5	B	6 12 „
3	33.112	20.91	81.1	46.34	81.4	.0529	.7227	18.40.9	B	7 12 „
4	33.180	20.91	80.8	46.38	81.1	.0529	.7231	18.41.0	B	8 12 „
5	33.180	21.08	80.7	46.43	81.1	·0556	.7237	18.40.9	G	9 12 „
6	33.729	20.92	80.6	46.53	81.0	.0530	.7243	18.41.7	G	10 12 „
7	34.415	21.04	80.5	46.53	81.0	.0550	.7248	18.41.4	G	11 12 „
8	34.415	21.00	80.0	46.52	80.5	.0543	.7247	18.41.6	G	Midnight.
9	34.278	21.26	79.9	46.64	80.5	.0587	.7260	18.41.3	C	1 12 a. m.
10	34.346	21.13	79.5	46.76	80.2	.0564	.7273	18.42.2	C	2 12 „
11	34.415	21.14	79.3	46.80	80.2	.0566	.7278	18.42.3	C	3 12 „
12	34.552	21.23	79.1	46.82	80.1	.0582	.7280	18.42.3	C	4 12 „
13	34.689	21.20	79.1	46.95	80.0	.0577	.7294	18.42.8	B	5 12 „
14	36.747	20.98	79.0	46.99	79.6	.0540	.7298	18.43.5	B	6 12 „
15	37.022	21.02	79.0	46.88	79.4	.0546	.7286	18·42.8	B	7 12 „
16	35.650	21.26	79.5	46.54	79·5	.0587	.7249	18.40.9	B	8 12 „
17	34.415	21.11	79.5	46.49	79·5	.0561	.7243	18·41.1	G	9 12 „
18	31.877	21.76	80.5	46.35	80.4	.0668	.7228	18.39.1	G	10 12 „
19	31.191	22.07	81.4	46.36	81.2	·.0719	.7229	18.38.5	G	11 12 „
20	31.054	22.00	82.5	46.36	82.0	.0707	.7229	18.38·6	G	Noon.
21	31.328	21.48	81.7	46.33	81.9	.0622	.7226	18.39.6	C	1 12 p. m.
22	32.083	21.25	81.7	46.30	81.9	.0585	.7223	18.39.9	C	2 12 „
23	33.249	21.24	81.7	46.35	82.0	.0584	.7228	18.40.3	C	3 12 „

DAILY OBSERVATIONS, FROM 10TH TO 13TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 10th-Noon.	33·866	21.21	82°1	46.44	82°4	8.0579	2.7238	18°40′7	C	4 12 p.m.
1	34.003	21.08	82.4	46.39	82.9	·0556	.7232	18.40.6	B	5 12 „
2	34.003	20.84	82.2	46.38	82.8	.0517	.7231	18.41.1	B	6 12 „
3	33·798	21.04	82.1	46.38	82.5	.0550	.7231	18.40.7	B	7 12 „
4	33.386	21.04	81.6	46.37	82.4	.0550	.7230	18.40.7	B	8 12 „
5	33.660	21.02	81.5	46.37	82.4	.0546	.7230	18.40.7	G	9 12 „
6	33.729	21.06	81.5	46·37	82.2	.0553	.7230	18.40.7	G	10 12 „
7	33.866	21.00	81.4	46.36	82.0	.0543	.7229	18.40.8	G	11 12 „
8	33.935	21·16	81.4	46.36	82.0	.0569	.7229	18.40.4	G	Midnight.
9	34·278	21.18	81.4	46.38	82.1	.0572	.7231	18.40.5	C	1 12 a.m.
10	34.621	21.21	81.4	46.42	82.1	.0579	·7236	18.40.6	C	2 12 „
11	34.621	21.09	81.3	46.42	82.0	.0558	.7236	18·40.8	C	3 12 „
12	34.484	21.19	81.1	46.40	81.9	.0574	.7234	18.40.6	C	4 12 „
13	34.827	21.23	81.1	46.40	81.5	.0582	·7234	18.40.5	B	5 12 „
14	36.473	21.32	81.2	46.55	81.5	.0595	.7250	18.40.9	B	6 12 „
15	36.610	21·36	81.0	46.51	81.5	.0602	.7246	18.40.7	B	7 12 „
16	35.513	21.43	80.9	46.25	81.5	.0614	.7217	18.39.5	B	8 12 „
17	34.484	21.70	81.4	46.15	81·7	.0658	.7206	18.38.3	G	9 12 „
18	33.935	22.13	82.0	46.26	82·0	.0728	.7218	18.37.9	G	10 12 „
19	32.769	22.20	82.8	46.08	82·5	.0741	.7198	18.37.0	G	11 12 „
20	31.122	22.18	83.5	45.89	83.1	.0736	.7177	18.36.2	G	Noon.
21	31.054	22.17	84.0	45.86	83.8	.0734	.7174	18.36.1	C	1 12 p.m.
22	32.014	21.96	84.1	45.85	84.2	.0701	.7173	18.36.5	C	2 12 „
23	33.317	21.65	84.3	46.04	84.9	.0649	.7194	18.38.0	C	3 12 „
July 12th-Noon.	32.700	21.28	80.8	46.05	81.5	.0590	.7195	18.38.8	B	4 12 „
1	33.386	21.19	81.0	46.05	81.7	.0574	.7195	18.39.0	B	5 12 „
2	33.386	21.08	80.8	45.95	81.5	.0556	.7184	18.38.8	B	6 12 „
3	33.455	21.23	81·0	45.85	81.5	.0582	.7173	18.38.1	B	7 12 „
4	33.180	21.22	80.9	45.84	81.4	.0580	.7172	18.38.1	B	8 12 „
5	33.180	21.19	80.5	45.93	81·0	.0574	.7182	18.38.5	G	9 12 „
6	33.729	21.25	80.5	45.93	81.0	.0585	.7182	18.38.4	G	10 12 „
7	34.072	21.26	80.5	45.93	81.0	.0587	.7182	18.38.4	G	11 12 „
8	34·072	21.29	80.5	45.93	81.0	.0592	.7182	18.38.3	G	Midnight.
9	34.072	21.21	80·2	45.81	80.9	.0579	.7169	18.38.0	C	1 12 a. m.
10	34.346	21.14	79.9	45.71	80.8	.0566	.7158	18.37.7	C	2 12 „
11	34.621	21.01	79.3	45.66	80.4	.0545	.7152	18.37.6	C	3 12 „
12	34.484	21.13	79.4	45.60	80·3	.0564	.7146	18.37.3	C	4 12 „
13	34.837	21.19	79.1	45.64	79.8	.0574	.7150	18.37.4	B	5 12 „
14	36.404	21.39	79.5	45.78	80.1	.0607	.7165	18.37.4	B	6 12 „
15	36.953	21.45	79.7	45.65	80.1	.0617	.7151	18.36·7	B	7 12 „
16	36.610	21.54	79.8	45.45	80.1	.0632	.7129	18.35.7	B	8 12 „
17	35.444	21.84	80·7	45.51	80.4	.0681	.7136	18.35.4	G	9 12 „
18	34·415	21.94	80.5	45.31	80.2	.0698	.7114	18.34.2	G	10 12 „
19	32.769	22.15	81.1	45.23	80.9	.0731	.7105	18.33.5	G	11 12 „
20	32.083	22.15	81.6	45.16	81.3	.0731	.7097	18.33.2	G	Noon.
21	31.945	22.05	82.0	45.10	81.8	.0715	.7091	18.33.0	C	1 12 p.m.
22	32.083	21.86	81.9	45.13	81.8	.0684	.7094	18.33.6	C	2 12 „
23	33.386	21.62	82.1	45.15	82.0	·0644	.7096	18.33.9	C	3 12 „
July 13th-Noon.	33.866	21.51	82.0	45.15	82.0	.0627	.7096	18.34.4	C	4 12 „
1	33.523	21.52	81.9	45.06	82.0	.0628	.7086	18.34.0	B	5 12 „
2	32.906	21.38	81.5	44.98	82·0	.0605	.7077	18.34.0	B	6 12 „
3	32.769	21.38	81.5	45.00	82.0	.0605	.7080	18.34.1	B	7 12 „
4	32.769	21.29	81.5	45.11	82.0	·0591	.7092	18.34.7	B	8 12 „
5	33.180	21·27	81.2	45.16	81.9	.0588	.7097	18.35.0	G	9 12 „
6	33.180	21.30	81.1	45.16	81.9	.0592	.7097	18.35.0	G	10 12 „
7	33.523	21.28	80.7	45.05	81.5	.0589	.7085	18.34.5	G	11 12 „
8	33.523	21.32	80.7	45.14	81.3	.0595	.7095	18.34.8	G	Midnight.
9	33.798	21.31	80.7	45.25	81.3	.0594	.7107	18.35.4	C	1 12 a. m.
10	33.866	21.27	80.6	45.43	81·3	·0588	.7127	18.36.2	C	2 12 „
11	34.003	21.27	80,5	45.44	81.2	.0588	.7128	18.36.2	C	3 12 „

DAILY OBSERVATIONS, FROM 13TH TO 15TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 13th—12	34·072	21.24	80°4	45.44	81°2	8.0584	2.7128	18°36'4	C	4 12 a.m.
13	34·484	21.26	80.4	45.58	81.0	.0587	.7143	18.36.9	B	5 12 „
14	36.199	21.36	80.4	45.63	81.0	.0602	.7149	18·36.9	B	6 12 „
15	37.022	21.56	80·6	45.58	81.0	.0635	.7143	18.36.2	B	7 12 „
16	36.130	21.76	81.1	45.38	81.2	·0668	.7121	18·34.9	B	8 12 „
17	34.552	22.10	81.4	45.35	81.5	.0723	.7118	18.34.1	G	9 12 „
18	33.729	22.33	82.0	45.28	82.0	.0761	.7110	18·33.3	G	10 12 „
19	32.014	22 50	82.8	45.10	82·5	.0789	.7091	18.32.1	G	11 12 „
20	31.122	22.56	83.4	44.89	83.0	.0799	.7067	18.31.1	G	Noon.
21	31.602	22.56	84·0	44.89	83.8	.0799	.7067	18.31.1	C	1 12 p.m.
22	32.014	22.26	84·2	44.88	84.3	.0750	.7066	18.31.6	C	2 12 „
23	33.180	22.06	84·3	45.03	84.8	.0717	.7083	18.32.7	C	3 12 „
July 14th-Noon.	34.003	21.83	84.3	45·11	84°9	.0679	.7092	18.33·6	C	4 12 „
1	34.278	21.63	83.8	45.05	84.9	.0646	.7085	18.33.7	B	5 12 „
2	33.866	21.55	83.2	44.98	84.4	.0633	.7077	18·33.7	B	6 12 „
3	33.249	21.48	82.6	44.91	83·8	.0622	·7070	18·33·5	B	7 12 „
4	32.906	21.60	82.5	44.90	83.4	.0641	.7069	18.33·2	B	8 12 „
5	33.180	21.45	82.1	44.89	83.0	.0617	.7067	18.33.4	G	9 12 „
6	33.455	21.46	82.0	45.03	83.0	.0619	.7083	18.34·0	G	10 12 „
7	33.866	21.39	81.8	45.28	82.7	·0607	·7110	18.35.3	G	11 12 „
8	33.729	21.51	81.7	45·58	82.5	·0627	·7143	18.36.3	G	Midnight.
9	33.592	21.53	81.7	45.63	82.5	.0630	.7149	18.36.5	C	1 12 a.m.
10	34.003	21.33	81.3	45.69	82.4	.0597	.7155	18.37·2	C	2 12 „
11	34.141	21.32	81.1	45.69	82.2	.0595	.7155	18.37.2	C	3 12 „
12	34.415	21.32	81.0	45.68	82.1	.0595	.7154	18.37·1	C	4 12 „
13	34.964	21.40	81.1	45.70	81.6	.0609	.7157	18.37.1	B	5 12 „
14	36.610	21.60	81.1	45.80	81.7	·0641	.7168	18.37·2	B	6 12 „
15	37.022	21·81	81.2	45.80	81.7	·0676	.7168	18.36·7	B	7 12 „
16	36.199	21.91	81.1	45.61	82.1	.0693	.7147	18.35.6	B	8 12 „
17	34.415	22.20	82.8	45.58	82.5	.0740	·7143	18.34.9	G	9 12 „
18	32.769	22.36	83.7	45.29	83.1	.0766	.7111	18.33.2	G	10 12 „
19	32.426	22.46	84.5	44.16	83.8	.0783	.6987	18·28.3	G	11 12 „
20	32.494	22·47	84.9	44.18	84.3	.0784	.6989	18.28.3	G	Noon.
21	31.945	22.46	85.1	44·17	84.9	.0783	·6988	18.28.3	C	1 12 p.m.
22	31.808	22.16	85.1	44·16	85.2	.0733	.6987	18.28.9	C	2 12 „
23	32.494	22.05	84·6	44.33	85.0	.0715	.7006	18·29.8	C	3 12 „
July 15th-Noon.	33.660	21·70	84.1	44.53	84.9	.0658	·7028	18.31.4	C	4 12 „
1	33.728	21.27	83.5	44.53	84.2	.0589	.7028	18.32.3	B	5·12 „
2	33.728	21.31	83·1	44.31	83·7	.0594	.7004	18.31.3	B	6 12 „
3	32.906	21.35	82.8	44.26	83.5	.0600	.6998	18.31.0	B	7 12 „
4	32.700	21.45	82·6	44·30	83.3	·0617	.7003	18·30.9	B	8 12 „
5	32.769	21·28	82.4	44.20	83·0	.0589	.6992	18.30.8	G	9 12 „
6	33.112	21.30	82·2	44.35	83.0	.0592	.7008	18.31.5	G	10 12 „
7	33.180	21.36	82.0	44.49	82·9	.0602	.7023	18.32.0	G	11 12 „
8	33.455	21·36	82.0	44.53	82.9	.0602	·7028	18.32.2	G	Midnight.
9	33.935	21.46	82.0	44 58	82.7	.0619	.7033	18.32.1	C	1 12 a.m.
10	34·552	21.77	81.9	44.60	82.6	.0670	.7036	18.31.6	C	2 12 „
11	35·101	21·68	81.9	44.75	82.5	.0654	.7052	18.32.4	C	3 12 „
12	35.170	21.41	81.8	44.75	82.4	.0611	.7052	18.33.0	C	4 12 „
13	35·924	21·13	81·8	44.62	82.4	.0564	.7038	18.33.1	B	5 12 „
14	37.502	20.77	81.8	44.82	82.3	.0506	·7060	18.34.6	B	6 12 „
15	37.403	20.61	82.0	44.82	82.3	.0479	.7060	18.35.0	B	7 12 „
16	36·610	20.76	82.5	44.73	82.5	.0504	.7050	18.34.4	B	8 12 „
17	35.787	20.49	83.0	44.46	82.7	.0460	.7020	18.33.7	G	9 12 „
18	33.935	20.74	83.5	44.15	83.2	.0501	.6986	18.31.8	G	10 12 „
19	32.769	20·72	84.0	44.11	83.5	.0497	.6982	18.31.6	G	11 12 „
20	32.769	20.88	84.3	44.31	83.5	.0523	.7004	18.32.2	G	Noon.
21	32·151	20.61	84 6	44.21	84.4	.0479	.6993	18·32.4	C	1 12 p.m.
22	32.906	20.57	84.9	44.19	84.9	·0473	.6990	18.32.4	C	2 12 „
23	34.141	20 54	85.3	44.19	85.3	.0468	.6990	18.32.4	C	3 12 „

DAILY OBSERVATIONS, FROM 16TH TO 19TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
July 16th-Noon.	34·346	20.26	85·3	44.16	85·4	8.0422	2.6987	18°32′9	C	4 12 p. m.
1	34·689	19.57	84.2	44.15	85.0	.0310	.6986	18.34.3	B	5 12 „
2	34.837	19.85	82.8	44.12	83.3	.0354	.6983	18.33.6	B	6 12 „
3	34.621	20.05	82.5	44.10	82.8	.0387	.6981	18.33.2	B	7 12 „
4	34.837	19.97	81.6	44.21	82.0	.0375	.6993	18.33.7	B	8 12 „
5	34.484	20.16	81.7	44.27	82.3	.0405	.6999	18.33.6	G	9 12 „
6	33.798	20.24	81.9	44.36	82.5	.0419	.7009	18.33.8	G	10 12 „
7	33.798	20.34	81.9	44.28	82.5	.0435	.7000	18.33.3	G	11 12 „
8	33.798	20.39	81.9	44·28	82.5	.0443	.7000	18·33.2	G	Midnight.
9	34.003	20.42	81.9	44.33	82.5	.0448	.7006	18.33.3	C	1 12 a.m.
10	34.415	20.46	81.8	44.34	82.4	.0455	.7007	18.33.3	C	2 12 „
11	34.689	20.51	81.6	44.36	82.3	.0463	.7009	18.33.2	C	3 12 „
12	35.032	20.69	81.5	44.42	82.2	.0492	.7016	18.33.1	C	4 12 „
13	35.718	20.68	81.5	44.41	81.9	.0490	.7015	18.33.1	B	5 12 „
14	36.885	20.85	81.5	44.55	81.7	.0518	.7030	18.33.4	B	6 12 „
15	37.296	21.01	81.6	44.50	81.8	.0545	.7025	18.32.8	B	7 12 „
16	36.542	21.15	81.2	44.25	81.5	.0567	.6997	18.31.4	B	8 12 „
17	36.199	21.57	81.8	44.06	82.0	.0636	.6976	18.29.6	G	9 12 „
18	35.101	21.91	82.0	43.94	82.1	.0693	.6963	18.28.5	G	10 12 „
19	33·660	22.23	83.0	43·88	82.7	.0746	.6956	18.27.5	G	11 12 „
20	33.386	21.82	84.0	43.95	83.5	.0677	.6964	18.28.7	G	Noon.
21	33.455	21.49	84.5	43.87	84.2	.0624	.6955	18.29.0	C	1 12 p. m.
22	32.837	21.38	84.8	43.83	84.5	.0605	.6951	18.29.1	C	2 12 „
23	33.866	21.16	84.8	43.80	85.1	.0569	.6948	18.29.5	C	3 12 „
July 17th-Noon.	33.866	21.20	84.5	43.80	85.1	.0576	.6948	18.29 4	C	4 12 „
1	33.866	21.15	84.1	43.89	84.6	.0567	.6957	18.29.9	B	5 12 „
2	33.455	21.20	83.5	43.67	84.0	.0576	.6933	18.28.8	B	6 12 „
3	32.700	20.91	83.1	43.71	83.5	.0529	.6938	18.29.6	B	7 12 „
4	32.769	20.91	82.9	43.82	83.3	.0529	.6950	18.30.1	B	8 12 „
5	33.180	20.97	82.6	43.89	83.0	.0539	.6957	18.30.3	G	9 12 „
6	33.729	20.87	82.5	43.97	83.0	.0522	.6966	18.30.6	G	10 12 „
7	34.278	20.93	82.1	43.99	82·9	.0532	.6968	18.30.7	G	11 12 „
8	34.141	20.83	82.1	43.99	82.9	.0515	.6968	18.30.8	G	Midnight.
9	33.866	20.79	82.1	44.08	82.8	.0509	.6978	18.31.4	C	1 12 a. m.
10	34.209	20.88	81.9	44.09	82.4	·0523	.6979	18.31.2	C	2 12 „
11	34.346	20·93	81.8	44.11	82.3	.0532	.6982	18.31·2	C	3 12 „
12	34.346	21.10	81.7	44.11	82.2	.0559	.6982	18.30.8	C	4 12 „
13	34·964	21.20	81.7	44.11	82.2	.0576	.6982	18.30.6	B	5 12 „
14	36.130	21.22	81.7	44.17	82.2	.0580	.6988	18.30.9	B	6 12 „
15	36.816	21·45	81.9	44.08	82.1	.0617	.6978	18·29.9	B	7 12 „
16	36·816	21.49	80.5	43.89	81.4	.0624	.6957	18.29.2	B	8 12 „
17	34.689	21.97	81.6	43.85	81.8	.0703	·6953	18·28.0	G	9 12 „
18	33.180	21.95	79.6	43.70	80.5	.0699	·6937	18.27.3	G	10 12 „
19	31.671	22.39	80.2	43.50	80.5	.0771	·6915	18.25.6	G	11 12 „
20	32.083	22·26	80.9	43.48	81.1	.0750	.6912	18.25.6	G	Noon.
21	31.455	22.27	81.5	43.44	81.3	.0752	.6908	18.25.5	C	1 12 p. m.
22	31·054	22.18	82·1	43.56	82·0	.0736	.6921	18.26.2	C	2 12 „
23	32.083	21.89	83.0	43.59	83.0	.0689	.6924	18.26.9	C	3 12 „
July 19th-Noon.	35·513	20.97	83.1	43.68	83.2	.0538	.6943	18.29.3	C	4 12 „
1	35.444	20.79	82.6	43.35	83.2	.0509	.6898	18.28.3	B	5 12 „
2	34.621	20.85	82.2	43.23	82.6	.0518	.6885	18.27.6	B	6 12 „
3	34.003	20.74	82.0	43.38	82.5	.0501	.6901	18.28.5	B	7 12 „
4	33.386	20.76	81·9	43.30	82.5	.0504	.6893	18.28.2	B	8 12 „
5	33·180	20.77	81.5	43.27	82.3	.0505	.6889	18.28.0	G	9 12 „
6	33.455	20.72	81.5	43.27	82.2	.0497	.6889	18.28.0	G	10 12 „
7	33.729	20.84	81.5	43.26	82.0	.0517	.6888	18.27.7	G	11 12 „
8	33.798	20.96	81.5	43.26	82.0	.0537	.6888	18·27.5	G	Midnight.
9	34.689	20·90	81.4	43.02	82.0	.0525	.6895	18.27.9	C	1 12 a.m.
10	34.837	20.82	81.3	43.35	81.9	.0513	.6898	18.27.9	C	2 12 „
11	34.278	20.97	81.3	43.38	81.9	.0538	.6901	18.28.0	C	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 21ST JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JULY 19TH—12	34°621	20.99	81°2	43.45	81°9	8.0542	2.6909	18°28'3	C	4 12 a. m.
13	35.238	20.85	81·0	43.45	81.6	.0518	.6909	18.28.5	B	5 12 „
14	37.022	20.86	80·6	43.55	81·5	.0520.	.6920	18.29.0	B	6 12 „
15	37.502	21.11	80.7	43.44	81·2	.0561	.6908	18.28.0	B	7 12 „
16	36.747	21.03	81.0	43.24	81.4	.0549	.6886	18.27.2	B	8 12 „
17	34.621	21.71	82.0	43.15	81.5	.0660	.6876	18.25.4	G	9 12 „
18	32.769	21.71	82.0	42.86	82.0	.0660	.6844	18.24.2	G	10 12 „
19	30·642	21.93	83.2	42.58	82.7	.0696	.6813	18.22.6	G	11 12 „
20	30.230	21.63	83.5	42.59	83·0	.0646	.6814	18.23.1	G	Noon.
21	30.779	21.49	82.7	42.75	82.8	.0624	.6832	18.24.2	C	1 12 p. m.
22	31.191	21.35	82.9	42.81	82.9	.0600	.6839	18.24.8	C	2 12 „
23	32.700	20.80	83.4	42·99	83.7	.0510	.6858	18.26.8	C	3 12 „
JULY 20TH-Noon.	33·660	20.82	83.8	43.02	84.3	.0513	.6862	18.26.8	C	4 12 „
1	34.758	20.56	83.0	43.11	83.6	.0471	.6872	18.27.7	B	5 12 „
2	34.689	20.62	82.6	42.99	83.1	.0480	.6858	18.27.2	B	6 12 „
3	34.278	20.78	82.5	42.94	83.1	.0507	.6853	18.26.6	B	7 12 „
4	34.552	20.55	82.2	42.98	82.8	.0469	.6855	18.27.2	B	8 12 „
5	33.935	20.57	82.0	42.98	82.8	.0472	.6857	18.27.3	G	9 12 „
6	34.141	20.80	82.0	43.08	82.8	.0510	.6868	18.27.1	G	10 12 „
7	33.455	20.81	82.0	43.08	82.8	.0512	.6868	18.27.1	G	11 12 „
8	33.729	20.81	81.8	43.08	82.8	.0512	.6868	18.27.1	G	Midnight.
9	33.798	20.85	81.8	43.14	82·7	.0519	.6875	18.27.2	C	1 12 a. m.
10	33.935	20.88	81.5	43.10	82.3	.0523	.6871	18.27.0	C	2 12 „
11	34.141	21.00	81.3	43.08	82.2	.0543	.6868	18.26.7	C	3 12 „
12	34.278	20.97	81.2	43.06	82.1	.0538	.6866	18.26.6	C	4 12 „
13	34·837	20.97	81.1	43.16	82.0	.0538	.6877	18.27.1	B	5 12 „
14	36.610	21.09	81.0	43.13	81.7	.0558	.6874	18.26.6	B	6 12 „
15	37.571	21.23	81.0	43.30	81.6	.0582	.6893	18.27.2	B	7 12 „
16	36.953	21.56	81.6	43.05	81.7	.0635	.6865	18.25.3	B	8 12 „
17	35.856	21.78	81.6	42.95	81.6	.0671	.6854	18.24.5	G	9 12 „
18	33.935	22.18	82.4	42.58	82·5	.0736	.6813	18.22.0	G	10 12 „
19	32.083	22.32	83.8	42.42	83.2	.0759	.6796	18.22.3	G	11 12 „
20	30.779	21.99	84.0	42.41	83.7	.0706	.6795	18.21.7	G	Noon.
21	31.465	21.73	84.6	42·50	84.6	.0663	.6805	18.22.7	C	1 12 p. m.
22	32.083	21.46	84.3	42.52	84.6	.0619	.6807	18.23.3	C	2 12 „
23	33.523	21.39	83.9	42.54	84.8	.0607	.6809	18.23.5	C	3 12 „
JULY 21ST-Noon.	34.758	21.19	83.4	42.55	84.4	.0574	.6810	18.24.1	C	4 12 „
1	35.170	20.86	83.4	42.68	84.2	.0520	.6824	18.25.2	B	5 12 „
2	35.307	20.88	83.1	42.54	84.0	.0523	.6809	18.24.6	B	6 12 „
3	34.209	20.90	82.5	42.41	83.6	.0527	.6795	18.24.0	B	7 12 „
4	33.729	20.99	82.5	42.47	83.1	.0542	.6801	18.24.1	B	8 12 „
5	33.729	21.01	82.0	42.49	83.0	.0545	.6803	18.24.0	G	9 12 „
6	34.072	21.02	81.8	42.53	82.9	.0546	.6808	18.24.2	G	10 12 „
7	34.141	21.22	81.8	42.58	82.5	.0579	.6813	18.24.1	G	11 12 „
8	34.209	21.19	81.6	42.68	82.5	.0574	.6820	18.24.6	G	Midnight.
9	34.415	21.24	81.5	42.70	82.5	.0583	.6829	18.24.7	C	1 12 a. m.
10	35.032	21.22	81.3	42.73	82.3	.0579	.6830	18.24.8	C	2 12 „
11	34.895	21.08	81.2	42.73	82.2	.0556	.6830	18.25.0	C	3 12 „
12	34.689	21.09	81.1	42.72	82.0	.0558	.6829	18.24.9	C	4 12 „
13	35.238	21.18	81.5	42.74	82.0	.0572	.6831	18.24.9	B	5 12 „
14	36.610	21.10	81.0	42.80	81.7	.0559	.6838	18.25.3	B	6 12 „
15	37.365	21.38	81.0	42.80	81.5	.0605	.6838	18.24.7	B	7 12 „
16	36.816	21.29	80.5	42.54	81.2	.0591	.6809	18.23.7	B	8 12 „
17	35.513	21.62	81.5	42.34	81.3	.0644	.6787	18.22.3	G	9 12 „
18	33.660	21.81	82.7	42.35	81.5	.0676	.6788	18.21.8	G	10 12 „
19	31.740	21.92	83.9	42.42	83.2	.0694	.6796	18.21.9	G	11 12 „
20	32.083	21.47	84.3	42 45	83.7	.0621	.6799	18.22.9	G	Noon.
21	30.916	21.18	84 6	42.43	84 6	.0572	.6797	18.23.6	C	1 12 p. m.
22	31.740	21.34	84.3	42.37	84.4	.0599	.6790	18.22.9	C	2 12 „
23	32.426	20.72	84.3	42.35	84 5	.0497	.6788	18 24.1	C	3 12 „

DAILY OBSERVATIONS, FROM 22ND TO 24TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 22nd-Noon.	33°455	21.32	84°6	42.40	85°1	8.0595	2.6794	18°23'0	C	4 12 p. m.
1.	33.798	21.18	84.1	42.41	85.2	.0572	.6795	18.23.5	B	5 12 „
2	34.141	21·15	83.5	42.34	84.6	.0567	.6787	18.23.2	B	6 12 „
3	33·835	20.92	82.6	42.36	83.6	.0530	.6789	18.23.7	B	7 12 „
4	33.455	21.12	82.6	42.36	83.5	.0562	.6789	18.23.3	B	8 12 „
5	34.415	20.89	82.1	42.39	83.0	.0525	.6792	18.23.8	G	9 12 „
6	34.141	21.02	82.0	42.51	82.9	.0546	.6806	18.24.2	G	10 12 „
7	34.415	20.98	81.8	42.58	82.7	.0540	.6813	18.24.6	G	11 12 „
8	34.689	20.87	81.5	42.64	82.6	.0521	.6820	18.25.1	G	Midnight.
9	34.837	21.00	81.1	42.68	82.5	.0543	.6824	18.25.0	C	1 12 a. m.
10	34.141	21.05	80.6	42.33	81.3	.0551	.6786	18.23.3	C	2 12 „
11	34.484	21.04	80.2	42.23	81·1	.0550	.6775	18.22.9	B	3 12 „
12	34·141	21·12	80.2	42.27	80.8	·0562	.6779	18.22.9	B	4 12 „
13	34.141	21.19	80.2	42.36	80.5	.0574	.6789	18.23.2	G	5 12 „
14	36.130	21.18	80.7	42.52	80.8	.0572	.6807	18.24.0	G	6 12 „
15	36.473	21.24	80.0	42.44	80.6	.0584	.6798	18.23.5	C	7 12 „
16	36·542	21.62	80·8	42.37	81.2	.0644	·6790	18.22·4	C	8 12 „
17	35.718	21.83	81.0	42.12	81·2	.0679	.6763	18.20.9	B	9 12 „
18	33·729	21.88	81.5	41.81	81.6	.0687	.6729	18.19.4	B	10 12 „
19	32.426	22.09	81.4	41.89	81.6	.0722	.6737	18.19.2	G	11 12 „
20	32.014	22.12	82.0	42.06	82.0	.0726	.6756	18.20·0	G	Noon.
21	32.563	21·95	82.2	42.10	82.5	.0699	.6761	18.20.5	C	1 12 p. m.
22	32.083	21.76	82.4	42.02	82.6	.0668	.6752	18.20.5	C	2 12 „
23	32.494	21.36	81.6	41·95	82.2	.0602	.6744	18.21.1	B	3 12 „
July 23rd-Noon.	33.729	21.10	80.3	42.08	81.1	.0559	.6758	18.22.2	B	4 12 „
1	34.141	21.06	79.8	42·03	81·0	·0553	.6753	18.22.1	G	5 12 „
2	34.484	20.91	79.5	42.03	80.9	.0529	.6753	18.22.4	G	6 12 „
3	34·141	20.77	79.4	41.99	80·4	.0505	.6748	18.22.5	C	7 12 „
4	34.346	21.02	79.4	42.02	80.4	.0546	.6752	18.22.0	C	8 12 „
5	33.455	21.08	80.0	42.27	80.5	.0556	.6779	18.22.9	B	9 12 „
6	33.523	21.02	80.1	42.30	80.5	.0546	.6783	18.23.2	B	10 12 „
7	33.798	21.10	79.7	42.28	80.1	.0559	.6780	18.23.0	G	11 12 „
8	34.141	21·03	78.8	42.49	79.5	.0548	.6803	18·24·0	G	Midnight
9	33.866	21.43	78.8	42.51	79·5	.0614	.6806	18.23.4	C	1 12 a. m.
10	34.003	21·21	78.8	42.53	79.5	.0579	.6808	18.23.9	C	2 12 „
11	34.141	21.17	78.7	42·53	79.5	.0571	.6808	18.24.0	C	3 12 „
12	34.415	21.17	78.7	42·49	79.3	.0571	.6803	18.23.8	C	4 12 „
13	35.101	21.17	79.0	42.64	79.5	.0571	.6820	18.24.5	B	5 12 „
14	35.856	21·26	79.2	42.64	79.5	.0586	.6820	18·24.2	B	6 12 „
15	36.542	21.41	79.2	42.54	79.6	.0611	.6809	18.23.5	B	7 12 „
16	35.581	21.75	80.0	42.30	80.1	.0666	.6783	18.21.8	B	8 12 „
17	34.415	22.03	80.7	42.29	80.4	.0712	·6781	18.21.1	G	9 12 „
18	33.866	21·85	80.5	42.13	80.4	.0682	.6764	18.20.8	G	10 12 „
19	33.043	21.77	80.1	42.21	81·0	.0670	.6773	18.21.3	G	11 12 „
20	32.494	21.68	80.5	42.02	80.5	.0654	.6752	18.20.7	G	Noon.
21	32·220	21.68	80.8	41.95	80.9	.0654	.6744	18.20.4	C	1 12 p. m.
22	32.083	21.44	80.5	42.01	80.9	.0616	.6751	18.21.1	C	2 12 „
23	32·631	21.13	80·2	42·02	80.7	.0564	.6752	18.21.9	C	3 12 „
July 24th-Noon.	33.112	20.91	79.8	42.11	80.2	.0529	.6762	18.22.6	C	4 12 „
1	33.866	20.90	79.4	42.37	80.2	.0527	.6790	18.23.8	B	5 12 „
2	33.798	21.02	79.0	42.24	79.5	.0546	.6776	18.23.0	B	6 12 „
3	33.112	21·08	78.5	42.17	79.0	·0556	.6768	18.22.5	B	7 12 „
4	33.112	20.93	78·5	42.27	79.0	.0532	.6779	18.23.3	B	8 12 „
5	34.141	20.99	78.0	42.30	78.5	.0542	.6783	18.23.4	G	9 12 „
6	33.592	21·18	78.2	42.37	78.9	.0572	.6790	18.23.3	G	10 12 „
7	34.141	21.07	78.7	42.35	78.9	.0554	.6788	18.23.4	G	11 12 „
8	34.141	21.15	78.9	42.45	79.5	.0567	.6799	18.23.6	G	Midnight.
9	34.141	21.13	78·9	42.33	79.5	.0564	.6786	18.23.2	C	1 12 a. m.
10	34 346	21.17	79.0	42.37	79.5	·0571	.6790	18.23.3	C	2 12 „
11	34.072	21.12	78·9	42.31	79.4	.0562	.6784	18.23.1	C	3 12 „

DAILY OBSERVATIONS, FROM 24TH TO 27TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 24th 12	34·689	21.05	78·5	42.38	79·2	8.0551	2.6791	18°23·5	C	4 12 a. m.
13	34.278	21.23	78.8	42·26	79.4	·0581	.6778	18.22.7	B	5 12 ,,
14	35.513	21.16	79.2	42.34	79.5	.0569	.6787	18·23.2	B	6 12 ,,
15	35·924	21.24	79.4	42.24	79.5	.0583	.6776	18.22.6	B	7 12 ,,
16	35·238	21.20	79.1	42.19	79.5	.0577	.6770	18.22.4	B	8 12 ,,
17	34.141	21·42	79.0	42.11	79·5	.0612	.6762	18.21.6	G	9 12 ,,
18	33.112	22·03	79.4	41.99	79·5	.0712	.6748	18.19.9	G	10 12 ,,
19	32.083	21.70	80.0	42.00	80.0	.0658	.6750	18.20.7	G	11 12 ,,
20	31·740	21.70	80.0	41.94	80.0	.0658	.6743	18·20.4	G	Noon.
21	32.288	21.59	80.0	41.92	80·3	.0640	.6741	18.20.5	C	1 12 p. m.
22	32.906	21.24	80.3	41.93	80.8	.0583	.6742	18.21.3	C	2 12 ,,
23	34.209	20.91	79.8	41.91	80.6	.0529	.6740	18.21·9	C	3 12 ,,
July 26th Noon.	34.621	21.15	81.2	41.55	81.8	.0567	.6700	18.19.8	B	4 12 ,,
1	34.415	21.15	81.0	41.35	81.7	.0567	.6678	18.18.9	B	5 12 ,,
2	34.003	21.25	80.8	41.40	81.5	.0584	.6684	18.18.8	B	6 12 ,,
3	33.386	21.23	80.6	41.35	81.5	.0581	.6678	18.18.8	B	7 12 ,,
4	33.249	21.22	80.6	41.34	81.4	.0579	.6677	18.18.8	B	8 12 ,,
5	33.180	21.11	80.6	41.34	81·4	.0578	.6677	18.18.8	G	9 12 ,,
6	33.592	21.22	80.6	41.34	81.4	.0579	·6677	18.18.8	G	10 12 ,,
7	33.523	21·20	80.5	41·32	81.3	.0576	.6675	18.18.7	G	11 12 ,,
8	33.729	21·20	80.3	41.33	81·0	.0576	.6676	18.18.7	G	Midnight.
9	33.866	21.24	80·3	41.52	81.0	.0583	.6697	18.19.6	C	1 12 a.m.
10	34.072	21.20	80.2	41.59	80.9	.0576	.6704	18.19·8	C	2 12 ,,
11	34.141	21.18	80.2	41.62	80.9	.0572	.6708	18.20.1	C	3 12 ,,
12	34.141	21.27	80.1	41 61	80.7	,0588	.6707	18.19.8	C	4 12 ,,
13	34.621	21.26	80.1	41.72	80.6	.0586	.6719	18.20.2	B	5 12 ,,
14	35.787	21.33	80.1	41,77	80.6	·0597	.6724	1e.20.3	B	6 12 ,,
15	35·925	21.44	80.5	41.57	80.6	.0616	.6702	18.19.1	B	7 12 ,,
16	35.718	21.59	80.8	41·30	80.8	.0640	.6681	18·18.1	B	8 12 ,,
17	34.837	21.75	81.1	41.23	81.1	.0666	.6665	18.17.2	G	9 12 ,,
18	33.523	21.93	81·8	41.05	81.5	.0696	.6645	18.16.0	G	10 12 ,,
19	33.043	22.10	82.7	41.06	82.0	.0723	.6646	18.15.7	G	11 12 ,,
20	33.043	22.13	83.2	41.09	82.9	.0728	.6649	18.15.7	G	Noon.
21	33.523	22.06	83.4	41.13	83·1	.0717	.6654	18.16.0	C	1 12 p. m.
22	34.072	21.83	83.2	41.17	83.3	.0679	.6658	18.16.8	C	2 12 ,,
23	34.278	21.54	82·8	41·11	83.1	.0632	.6652	18.17.1	C	3 12 ,,
July 27th-Noon.	33.935	21.40	82.5	41.09	83.0	.0609	.6649	18.17.3	C	4 12 ,,
1	33.523	21·41	82.2	40.93	82.7	.0611	.6632	18.16.6	B	5 12 ,,
2	33.592	21.30	81.6	41.04	82.5	.0592	.6644	18.17.3	B	6 12 ,,
3	33·729	21.29	81.5	41.05	82.3	.0591	.6645	18·17.4	B	7 12 ,,
4	33.455	21.30	81.5	41.05	82.2	.0592	.6645	18.17.4	B	8 12 ,,
5	33.455	21·33	81.2	41.02	82.1	.0597	.6642	18.17.1	G	9 12 ,,
6	33.386	21.31	81.1	41.06	82.0	.0594	.6646	18.17.4	G	10 12 ,,
7	33.386	21.30	81.1	41.06	82.0	.0592	.6646	18.17.4	G	11 12 ,,
8	33.729	21.27	81.0	41.10	81.8	.0588	.6651	18.17.6	G	Midnight.
9	33.798	21.27	81.0	41.17	81.6	.0588	.6658	18.17.9	C	1 12 a. m.
10	34.141	21.24	80.8	41.20	81.5	.0583	.6662	18.18.1	C	2 12 ,,
11	34·278	21.24	80.7	41.20	81.4	.0583	.6662	18.18.1	C	3 12 ,,
12	34·484	21.28	80.7	41.33	81.4	.0589	.6676	18.18.5	C	4 12 ,,
13	35.101	21·41	80.9	41.54	81.2	.0611	.6699	18.19.3	B	5 12 ,,
14	35.787	21.39	80.6	41.59	81·2	.0607	.6704	18.19·4	B	6 12 ,,
15	35.856	21.49	80.6	41.63	81.1	.0624	·6709	18.19.4	B	7 12 ,,
16	34.689	21.64	80.9	41.39	81·4	.0648	.6682	18.17.9	B	8 12 ,,
17	33.729	21.96	81.7	41.35	81.6	.0701	.6678	18.17.2	G	9 12 ,,
18	32.769	22.25	82.8	41.17	82.4	.0748	.6658	18.15.9	G	10 12 ,,
19	31.877	22.21	83.9	41.23	83.0	.0742	.6665	18.16.2	G	11 12 ,,
20	31.122	22.20	83.9	40.99	83.5	·0740	.6638	18.15·2	G	Noon.
21	31.671	22.00	84.0	41.09	83.9	.0707	.6649	18.16·0	C	1 12 p. m.
22	32.426	21.76	84.0	41.19	84.0	.0668	.6660	18.16.9	C	2 12 ,,
23	33·455	21.58	83.5	41.21	83.6	.0638	.6663	18·17.4	C	3 12 ,,

DAILY OBSERVATIONS, FROM 28TH TO 30TH JULY 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
July 28th-Noon.	33°798	21.48	83°0	41.22	83°2	8.0622	2.6664	18°17′6	C	4 12 p. m.
1	33.798	21.47	82.9	41.09	83.1	.0620	.6649	18.17.1	B	5 12 "
2	33.660	21.34	82.3	40.98	82.6	.0599	.6637	18.17.0	B	6 12 "
3	33.523	21.33	82.1	41.03	82.5	.0597	.6643	18.17.2	B	7 12 "
4	33.523	21.28	82.1	41.02	82.2	.0590	.6642	18.17.2	B	8 12 "
5	33.386	21.25	81.1	41.06	82.0	.0585	.6646	18.17.4	G	9 12 "
6	33.386	21.30	81.4	41.06	82.1	.0592	.6646	18.17.4	G	10 12 "
7	33.455	21.26	81.4	41.06	82.1	.0587	.6646	18.17.4	G	11 12 "
8	33.729	21.30	81.1	41.05	81.7	.0592	.6645	18.17.4	G	Midnight.
9	33.935	21.19	80.8	41.04	81.4	.0574	.6644	18.17.6	C	1 12 a. m.
10	34.141	21.07	80.4	41.06	81.1	.0554	.6646	18.17.0	C	2 12 "
11	33.798	21.26	80.3	41.06	81.0	.0587	.6646	18.17.4	C	3 12 "
12	33.935	21.34	80.3	41.22	80.9	.0599	.6664	18.17.9	C	4 12 "
13	34.346	21.27	80.4	41.08	80.9	.0588	.6648	18.17.5	B	5 12 "
14	35.375	21.33	80.6	41.33	80.9	.0597	.6676	18.18.4	B	6 12 "
15	36.061	21.44	80.8	41.28	80.9	.0616	.6670	18.17.9	B	7 12 "
16	35.307	21.61	81.1	41.14	81.3	.0643	.6655	18.17.2	B	8 12 "
17	34.141	22.02	81.5	41.14	81.5	.0710	.6655	18.16.3	G	9 12 "
18	33.386	22.26	81.7	41.05	81.5	.0750	.6645	18.15.3	G	10 12 "
19	31.877	22.29	81.6	40.89	82.3	.0755	.6627	18.14.5	G	11 12 "
20	30.985	22.19	82.5	40.77	82.2	.0738	.6614	18.14.2	G	Noon.
21	30.711	21.99	82.2	40.85	82.2	.0706	.6623	18.15.0	C	1 12 p. m.
22	31.259	21.69	81.3	40.94	82.0	.0656	.6633	18.16.0	C	2 12 "
23	32.769	21.68	81.0	41.05	81.8	.0654	.6646	18.16.6	C	3 12 "
July 29th-Noon.	33.866	21.44	80.2	41.03	80.9	.0616	.6643	18.16.9	C	4 12 "
1	33.866	21.40	80.1	41.10	80.5	.0609	.6651	18.17.4	B	5 12 "
2	33.455	21.30	79.5	40.95	80.1	.0592	.6634	18.16.9	B	6 12 "
3	33.180	21.19	79.4	40.99	79.7	.0574	.6638	18.17.4	B	7 12 "
4	33.112	21.33	79.9	41.05	80.0	.0597	.6645	18.17.3	B	8 12 "
5	33.112	21.35	80.0	41.11	80.2	.0600	.6652	18.17.5	G	9 12 "
6	33.112	21.40	80.0	41.02	80.5	.0609	.6642	18.17.0	G	10 12 "
7	33.386	21.48	80.2	41.02	80.5	.0622	.6642	18.16.8	G	11 12 "
8	33.455	21.49	80.2	40.98	80.5	.0624	.6637	18.16.7	G	Midnight.
9	33.455	21.49	80.1	41.01	80.4	.0624	.6641	18.16.8	C	1 12 a. m.
10	33.729	21.49	80.1	41.01	80.4	.0624	.6641	18.16.8	C	2 12 "
11	33.935	21.55	80.1	40.98	80.4	.0633	.6637	18.16.6	C	3 12 "
12	33.935	21.56	80.1	40.86	80.4	.0635	.6624	18.15.9	C	4 12 "
13	34.552	21.58	80.2	40.86	80.4	.0638	.6624	18.15.9	B	5 12 "
14	35.924	21.59	80.2	40.97	80.5	.0640	.6636	18.16.5	B	6 12 "
15	36.610	21.75	80.4	40.92	80.6	.0666	.6631	18.15.9	B	7 12 "
16	36.816	21.92	81.0	40.68	81.0	.0694	.6604	18.14.4	B	8 12 "
17	35.238	22.12	81.7	40.55	81.5	.0726	.6590	18.13.4	G	9 12 "
18	33.866	22.36	81.7	40.35	81.5	.0766	.6568	18.12.0	G	10 12 "
19	32.426	22.46	81.8	40.05	81.6	.0783	.6535	18.10.7	G	11 12 "
20	30.985	22.57	82.4	40.05	82.2	.0801	.6535	18.10.8	G	Noon.
21	30.505	22.35	83.0	40.17	82.7	.0764	.6548	18.11.4	C	1 12 p. m.
22	31.602	21.93	82.1	40.26	82.5	.0696	.6558	18.12.7	C	2 12 "
23	33.386	21.78	82.5	40.37	82.6	.0671	.6570	18.13.4	C	3 12 "
July 30th-Noon.	34.484	21.68	82.7	40.41	83.0	.0654	.6575	18.13.8	C	4 12 "
1	34.141	21.50	82.0	40.33	82.6	.0625	.6566	18.13.7	B	5 12 "
2	32.455	21.37	81.1	40.06	82.0	.0603	.6536	18.13.0	B	6 12 "
3	32.631	21.55	81.1	40.25	81.7	.0633	.6557	18.13.5	B	7 12 "
4	32.494	21.45	81.1	40.37	81.6	.0617	.6570	18.14.0	B	8 12 "
5	32.769	21.55	81.1	40.45	81.6	.0633	.6579	18.14.2	G	9 12 "
6	33.043	21.41	80.9	40.49	81.5	.0611	.6583	18.14.7	G	10 12 "
7	33.729	21.38	80.7	40.54	81.4	.0605	.6589	18.14.9	G	11 12 "
8	33.729	21.42	80.7	40.54	81.4	.0612	.6589	18.14.9	G	Midnight.
9	33.798	21.32	80.7	40.56	81.3	.0595	.6591	18.15.2	C	1 12 a. m.
10	33.935	21.19	80.3	40.58	81.1	.0574	.6593	18.15.5	C	2 12 "
11	34.003	21.41	80.3	40.60	81.0	.0611	.6596	18.15.2	C	3 12 "

DAILY OBSERVATIONS, FROM 30TH JULY TO 2ND AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
JULY 30TH—12	34·278	21.37	80°3	40.60	81°0	8.0603	2.6596	18°15′3	C	4 12 a. m.
13	34.552	21.50	80.3	40.58	80.9	.0625	.6593	18.14.9	B	5 12 „
14	35.924	21.60	80.5	40.62	80.6	.0641	.6598	18.14.9	B	6 12 „
15	36.610	21·62	80.6	40.67	80.8	·0644	.6603	18.15.0	B	7 12 „
16	35.650	21.77	80.3	40.32	80.6	.0670	.6565	18·13.2	B	8 12 „
17	33·935	22.19	80.8	40.23	80.9	.0738	.6555	18.11.9	G	9 12 „
18	32·700	22.24	80.5	40.02	80.5	.0747	.6532	18.10.9	G	10 12 „
19	32.151	22.09	80·1	40.02	80.9	.0722	.6532	18.11.2	G	11 12 „
20	31.877	22.18	80.8	40.02	80.7	.0736	.6532	18.11.0	G	Noon.
21	31.740	21.99	81.3	40.04	81.4	.0706	·6534	18·11.5	C	1 12 p. m.
22	32.357	21.94	81.4	40.24	81.5	.0698	.6556	18.12.5	C	2 12 „
23	33.592	21.85	81.5	40.34	81.9	.0682	.6567	18.13.2	C	3 12 „
JULY 31ST-Noon.	34.415	21.67	80.9	40.44	81.5	.0652	.6578	18.13.9	C	4 12 „
1	34.552	21.66	81.4	40.30	81.6	.0651	.6563	18.13.3	B	5 12 „
2	34.209	21.57	81.2	40.25	81.5	.0636	.6557	18.13.4	B	6 12 „
3	33.112	21.43	81.1	40.20	81.5	.0614	.6552	18.13.5	B	7 12 „
4	33.317	21.37	80.9	40.25	81.5	.0603	.6557	18.13.9	B	8 12 „
5	33.455	21.34	80.8	40.30	81.3	.0599	.6563	18.14.0	G	9 12 „
6	33.455	21.39	80.8	40.24	81.3	.0607	.6556	18.13.7	G	10 12 „
7	34.141	21.42	80.7	40.21	81.0	.0612	.6553	18.13.6	G	11 12 „
8	33.798	21.36	80.6	40.21	81.0	.0602	.6553	18.13.7	G	Midnight.
9	33.935	21.51	80.9	40.24	81.3	.0627	.6556	18.13.4	C	1 12 a. m.
10	33.729	21.49	80.8	40.19	81.2	.0624	.6550	18.13.3	C	2 12 „
11	34.141	21.45	80.7	40.17	81.2	.0617	.6548	18.13.1	C	3 12 „
12	34.278	21.45	80.6	40.16	81.1	.0617	.6547	18.13.2	C	4 12 „
13	34.621	21.42	80.6	40.23	81.0	.0612	.6555	18.13.7	B	5 12 „
14	36.061	21.42	80.6	40.28	81.0	.0612	.6560	18.13.8	B	6 12 „
15	36.061	21.69	80.6	40.18	81.0	.0656	.6549	18.12.7	B	7 12 „
16	35.208	21.99	80.8	40.03	81.0	.0706	.6533	18.11.5	B	8 12 „
17	33.386	22.18	80.7	40.02	80.7	.0736	.6532	18.11.0	G	9 12 „
18	31.397	22.48	81.6	39.85	81.1	.0786	.6513	18.09.7	G	10 12 „
19	29.819	22.71	82·8	39.56	82.0	.0826	.6481	18.07.9	G	11 12 „
20	29.339	22.63	83.2	39.58	82.6	.0810	.6483	18.08.2	G	Noon.
21	30.025	22.46	83.8	39.52	83.4	.0783	.6477	18.08.3	C	1 12 p. m.
22	31.328	22.24	84.0	39.58	84.0	.0747	.6483	18.09.0	C	2 12 „
23	32.769	21.85	84.2	39.61	84.4	.0682	.6487	18.10.0	C	3 12 „
AUG. 2ND-Noon.	33.935	21.33	82.9	39.29	83.1	.0597	.6451	18.09.7	B	4 12 „
1	34.141	21.30	82.9	39.29	83.1	.0592	.6451	18.09.8	B	5 12 „
2	33.866	21.23	82.4	39.29	83.0	.0582	.6451	18.10.0	C	6 12 „
3	33.043	21.22	81.9	39.25	82.9	.0580	.6447	18.09,9	C	7 12 „
4	32.906	21.24	81.5	39.22	82.4	.0584	.6444	18.09.7	C	8 12 „
5	33.180	21.20	81.5	39.36	82,1	·0577	.6459	18.10.3	B	9 12 „
6	33.455	21.27	81.4	39.40	81.7	.0588	.6464	18.10.2	B	10 12 „
7	33.866	21.34	81.4	39.37	81.6	.0599	.6460	18.10.0	B	11 12 „
8	34.141	21.36	81.4	39.37	81.6	.0602	.6460	18.10.0	B	Midnight.
9	34.837	21.23	81.0	39.42	81.3	.0582	.6466	18.10.5	G	1 12 a. m.
10	34.415	21.18	81.0	39.48	81.3	.0572	.6472	18.10.8	G	2 12 „
11	34.141	21.40	80.9	39.52	81.2	.0609	.6477	18.10.6	G	3 12 „
12	34.484	21.45	80.9	39.54	81.2	.0617	.6479	18.10.4	G	4 12 „
13	35.513	21.35	80.8	39.55	81.0	.0600	.6480	18.10.8	C	5 12 „
14	36.267	21.32	80.7	39.57	80.9	.0595	.6482	18.10.8	C	6 12 „
15	36.473	21.49	80.8	39.57	81.1	.0624	.6482	18·10.5	C	7 12 „
16	35.581	21.75	80.9	39.51	81.2	.0666	.6476	18.09.7	C	8 12 „
17	34.552	21.78	81.3	39.34	81.3	.0671	.6457	18·09.0	B	9 12 „
18	33.180	21.91	82.4	39.29	81.3	.0693	.6451	18.08.5	B	10 12 „
19	32.083	22.07	82.1	39.15	81.8	.0719	.6436	18.07.5	B	11 12 „
20	31.397	22.06	82.5	39.25	82.3	.0717	.6447	18.08·0	B	Noon.
21	31.465	21.74	82.7	39.28	82.5	.0655	.6450	18.08.9	G	1 12 p. m.
22	32.083	21.19	83.0	39.28	82.7	.0574	.6450	18.10.1	G	2 12 „
23	32.769	21.24	83.3	39.23	83.0	.0583	.6445	18.09.8	G	3 12 „

DAILY OBSERVATIONS, FROM 3RD TO 5TH AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 3rd-Noon.	34·141	21.29	83°0	39.19	83°0	8.0592	2.6440	18°09'4	G	4 12 p.m.
1	34.552	21.25	82.3	39.15	82.8	·0585	.6436	18.09.2	C	5 12 „
2	34.072	21.25	82.0	39.10	82.4	.0585	.6431	18.09.1	C	6 12 „
3	33·455	21.18	81.6	39.07	82.1	.0572	.6427	18.09.1	C	7 12 „
4	33.386	21.02	81.5	39.06	82.1	.0546	.6426	18.09.3	C	8 12 „
5	33.592	21.05	81.5	39.14	81.9	.0551	.6435	18.09.7	B	9 12 „
6	33.729	21.13	81.4	39.10	81.6	.0564	.6431	18.09.4	B	10 12 „
7	34.003	21.11	81.4	39.10	81.6	.0561	.6431	18.09.4	B	11 12 „
8	34.209	21·05	81.3	39.09	81.5	.0551	·6429	18.09.4	B	Midnight.
9	34·278	21.19	81.2	39.14	81.4	.0574	.6435	18.09.4	G	1 12 a.m.
10	34.484	21.11	81.1	39.14	81.4	.0561	.6435	18.09.6	G	2 12 „
11	34.278	21.13	81.0	39.14	81.3	.0564	.6435	18.09.6	G	3 12 „
12	34.484	21.21	80.9	39.13	81.1	.0579	.6434	18.09.3	G	4 12 „
13	34.621	21.22	80.9	39.08	81.1	.0580	·6428	18.09.1	C	5 12 „
14	34.141	21.35	80.9	39.08	81.0	.0600	.6428	18.08.8	C	6 12 „
15	36.199	21·37	80.9	39.15	81.2	.0603	.6436	18.09.1	C	7 12 „
16	35.856	21.50	81.0	39.15	81.3	.0625	.6436	18.08.7	C	8 12 „
17	35.101	21.59	80.8	38.83	81·0	.0640	.6401	18.07.2	B	9 12 „
18	33.455	21.90	81.4	38.74	81·4	.0691	.6391	18.06.1	B	10 12 „
19	31.465	22.02	82.1	38.55	81·7	.0710	.6370	18.05.1	B	11 12 „
20	31.328	22.03	82.8	38.37	82.3	.0712	.6350	18.04.4	B	Noon.
21	31.397	22.04	83.3	38.38	82.7	.0714	.6351	18.04.8	G	1 12 p.m.
22	32.083	21.93	83.5	38.43	83.0	.0696	.6357	18.04.8	G	2 12 „
23	33.455	21.47	84.0	38.51	83.5	.0621	.6366	18.06.0	G	3 12 „
Aug. 4th-Noon.	33.798	21.37	84.0	38.52	84.0	.0603	.6367	18.06.4	G	4 12 „
1	33.729	21.28	83.6	38.63	83.9	.0590	.6379	18.06.9	C	5 12 „
2	33.935	21.32	82.8	38.62	83.3	.0595	.6378	18.06.8	C	6 12 „
3	33.249	21.26	82·3	38.54	83.0	.0587	.6369	18.06.5	C	7 12 „
4	33.592	21.09	82.1	38.52	82.7	.0558	.6367	18.06.9	C	8 12 „
5	33.317	20.99	82.1	38.57	82.4	.0542	.6372	18.07.4	B	9 12 „
6	33.592	21.00	82.0	38.57	82.3	.0543	.6372	18.07.4	B	10 12 „
7	34.003	21.05	81.7	38.57	82.2	.0551	.6372	18.07.2	B	11 12 „
8	34·003	21.12	81.5	38.56	82.0	.0562	.6371	18.07.0	B	Midnight.
9	34.415	21.09	81·5	38.58	82.0	.0558	.6373	18.07.1	G	1 12 a.m.
10	34.141	21.38	81.3	38.56	82.0	.0605	.6371	18.06.4	G	2 12 „
11	34.415	21.23	81.0	38.56	81.9	.0580	.6371	18.06.8	G	3 12 „
12	34.415	21.18	81.0	38.57	81.6	.0572	.6372	18.07.0	G	4 12 „
13	34.552	21.17	81.0	38.62	81.6	.0571	.6378	18.07.2	C	5 12 „
14	35.513	21.21	80.7	38.73	81.5	.0578	.6390	18.07.6	C	6 12 „
15	35.513	21.22	79.9	38.78	80.8	.0579	.6395	18.07·8	C	7 12 „
16	34.827	21.40	79.5	38.78	80.5	.0609	.6395	18.07.4	C	8 12 „
17	33.317	21.75	81·1	38.53	80.9	.0666	.6368	18.05.7	B	9 12 „
18	32·631	21.91	82.0	38.35	81.5	.0693	.6348	18.04.5	B	10 12 „
19	32.631	21.73	82.0	38.35	81.5	.0663	.6348	18.04.9	B	11 12 „
20	33.220	21.85	83.0	38.22	82.4	.0682	.6334	18.04.0	B	Noon.
21	32.083	21.77	82.9	38.28	82.6	.0670	.6340	18.04.5	G	1 12 p.m.
22	31.877	21.68	83.8	38.23	83.1	.0654	.6335	18.04.5	G	2 12 „
23	32.700	21.45	83.0	38.30	83.2	·0617	.6343	18.05.3	G	3 12 „
Aug. 5th-Noon.	33.180	21.42	83.3	38.30	83.3	.0612	.6343	18.05.4	G	4 12 „
1	33.523	21.35	83.1	38.32	83.2	.0600	.6345	18.05.6	C	5 12 „
2	33.592	21.22	82.4	38.27	83·1	.0580	.6339	18.05.6	C	6 12 „
3	33.386	21.20	82.0	38.24	82.9	.0577	.6336	18.05.5	C	7 12 „
4	33.386	21.17	81.9	38.25	82.5	.0570	.6337	18.05.7	C	8 12 „
5	33.455	21·19	81.7	38.27	82.3	.0574	.6339	18.05.7	B	9 12 „
6	33.455	21.12	81.5	38.29	82.2	.0562	.6341	18.05.9	B	10 12 „
7	33.866	21.16	81.5	38.37	82.2	.0569	.6350	18.06.2	B	11 12 „
8	34.141	21.21	81.5	38.31	82.1	.0578	.6344	18.05.8	B	Midnight.
9	34.141	21.26	81.5	38.31	82.1	.0586	.6344	18.05.7	G	1 12 a.m.
10	34.072	21.30	81.4	38.31	82·0	·0592	.6344	18.05.6	G	2 12 „
11	34.141	21.33	81.2	38.26	82.0	.0597	.6338	18.05.3	G	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 7TH AUGUST 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
AUG. 5TH—12	34·209	21.30	81·1	38.29	81·8	8.0592	2.6341	18°05'5	G	4 12 a.m.
13	34·964	21.36	80.8	38.43	81.5	.0602	.6357	18.06.1	C	5 12 „
14	35.924	21.49	80.6	38.49	81.4	.0624	.6363	18·06.0	C	6 12 „
15	36.199	21.64	80·8	38.54	81.5	.0648	.6369	18.05.9	C	7 12 „
16	35.787	21.70	81.1	38.54	81.8	·0658	.6369	18·05.7	C	8 12 „
17	34.346	21.72	81.5	38.25	81.8	.0661	.6337	18.04.4	B	9 12 „
18	32.563	21.90	82.3	38.12	82.2	.0691	.6323	18·03.5	B	10 12 „
19	30.848	22.17	83.0	37.93	82·5	.0735	.6302	18.02.1	B	11 12 „
20	30.573	22.07	84.0	37.95	83.3	.0719	.6304	18.02.4	B	Noon.
21	30.848	22.07	84·3	37.76	83.9	.0719	.6283	18.01.6	G	1 12 p.m.
22	31.191	21.86	84·5	37.82	84.0	.0684	.6290	18.02.3	G	2 12 „
23	32.426	21.58	84·6	37.98	84.5	.0638	.6307	18.03.6	G	3 12 „
AUG. 6TH—Noon.	33.866	21.46	84.5	38·14	84°5	.0619	.6325	18.04·5	G	4 12 „
1	34.964	21.43	84.1	38.14	84.5	.0614	.6325	18.04.7	C	5 12 „
2	34.415	21.20	83.2	38.01	84.1	.0577	.6311	18·04.5	C	6 12 „
3	33.523	21.17	82.6	37.98	83·6	.0570	·6307	18·04·5	C	7 12 „
4	33.523	21.14	·82.4	38.06	83.3	.0566	.6315	18.04·8	C	8 12 „
5	34.141	21.15	82.2	38.09	83.0	.0567	.6319	18.04.9	B	9 12 „
6	34.141	21.32	82.1	38.20	82.6	.0595	.6332	18.05·0	B	10 12 „
7	33.866	21.36	82.0	38.33	82.5	·0602	·6336	18.05.2	B	11 12 „
8	34.141	21.19	81.8	38·43	82.5	·0574	.6357	18.06.5	B	Midnight.
9	34.415	21.26	81.7	38.42	82.5	.0587	.6356	18.06.1	G	1 12 a.m.
10	34.621	21.36	81.6	38.38	82.5	.0603	.6351	18.05·8	G	2 12 „
11	34.552	21.32	81.5	38.37	82.3	.0595	.6350	18.05.8	G	3 12 „
12	34.689	21.33	81.3	38.44	82.0	.0597	.6358	18.06·1	G	4 12 „
13	35.581	21.33	81.2	38.49	81.9	.0597	.6363	18.06.2	C	5 12 „
14	36.336	21.33	81.2	38.53	81.9	·0597	.6368	18.06·4	C	6 12 „
15	36.404	21·41	81.2	38.53	82.0	·0611	.6368	18.06·3	C	7 12 „
16	36.267	21.33	81.3	38.56	82.1	.0597	.6371	18.06.5	C	8 12 „
17	34.552	21.48	81.5	38.26	82.1	.0622	·6338	18.06.0	B	9 12 „
18	33.249	21.68	82.6	38.32	82.4	.0654	.6345	18.04.9	B	10 12 „
19	32.837	21.65	83.5	37.91	83.1	.0649	.6300	18.03.1	B	11 12 „
20	32.769	22·01	84.0	37.89	83.6	.0709	.6297	18.02.3	B	Noon.
21	32.769	21.89	83.0	37·69	83.0	.0689	·6275	18.01.6	G	1 12 p.m.
22	32.906	21.91	83.3	37·74	83.2	.0693	.6281	18.01.8	G	2 12 „
23	32.426	21.88	84·0	37.74	83.3	.0687	.6281	18·01.7	G	3 12 „
AUG. 7TH—Noon.	33.180	21·50	83.6	37.80	83.3	.0625	·6288	18.02.9	G	4 12 „
1	33.386	21.54	83.6	37.85	83.7	.0632	.6293	18.03.1	C	5 12 „
2	33.523	21.34	82·9	37.85	83·5	.0599	.6293	18.03.5	C	6 12 „
3	33.660	21.04	82.3	37.86	83.2	.0550	.6294	18.04.1	C	7 12 „
4	33.729	21.24	82·1	37·97	83.0	·0583	.6306	18·04.4	C	8 12 „
5	33.317	21·20	82.0	37.93	82·6	.0576	.6302	18.04.1	B	9 12 „
6	33.455	21.19	82·0	37.73	82.5	.0574	.6280	18.03.4	B	10 12 „
7	33.866	21.29	82.0	37.82	82·4	.0591	.6290	18.03.5	B	11 12 „
8	34.141	21·21	81.6	37.92	82.0	.0578	·6305	18.04.3	B	Midnight.
9	34.415	20.68	81.0	38.03	81.8	.0490	.6314	18.05.7	G	1 12 a.m.
10	34·278	20.61	81.2	38.06	82.0	.0642	.6316	18.03.9	G	2 12 „
11	34·621	21·20	81.1	38.05	81.8	.0576	.6315	18.04.7	G	3 12 „
12	34.621	21.18	81.0	38.05	81.6	.0572	.6315	18.04.8	G	4 12 „
13	34·621	21·21	80.9	38.05	81.5	.0578	.6315	18.04.7	C	5 12 „
14	35.718	21.40	80.9	38.04	81.4	.0609	·6314	18.04.2	C	6 12 „
15	36.542	21.26	81.1	38.11	81.5	.0586	.6322	18.04.7	C	7 12 „
16	36·542	21.53	81.5	38.12	81.8	.0630	.6323	18.04.3	C	8 12 „
17	35.375	21.67	82.4	37.82	82.2	.0652	.6290	18.02.7	B	9 12 „
18	33.455	22.00	83.1	37.58	82.6	.0707	.6263	18.00.9	B	10 12 „
19	32.151	22·10	83.4	37.44	83.0	.0723	.6248	18.00.2	B	11 12 „
20	32.014	22.14	83.9	37.44	83.4	.0730	.6248	18.00.1	B	Noon.
21	31·054	22.16	84.5	37.23	83.8	.0733	.6225	17.59.2	G	1 12 p.m.
22	30.711	21.79	84.4	37.22	84.0	·0673	.6224	17.59.9	G	2 12 „
23	31.191	21.40	84.7	37.14	84.5	.0609	.6215	18.00.4	G	3 12 „

DAILY OBSERVATIONS, FROM 9TH TO 11TH AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Aug. 9th-Noon.	33'112	21.62	82°3	38.13	83°5	8.0644	2.6324	18°04'2	C	4 12 p. m.
1	33·592	21.39	82.5	38.17	83.3	.0607	.6328	18.04.8	C	5 12 „
2	34.003	21.25	82.0	37.78	83.1	.0585	.6285	18.03.3	C	6 12 „
3	33.729	21.16	81.9	37.62	82.9	.0569	.6268	18.02.9	C	7 12 „
4	33.249	21.16	81.2	37.47	82.5	.0569	.6251	18.02.3	C	8 12 „
5	33.523	21.22	81.2	37.43	82.5	.0580	.6247	18.02.1	B	9 12 „
6	33.386	21.24	81.2	37.39	82.3	.0584	·6242	18.01.8	B	10 12 „
7	33.523	21.28	81.2	37.40	81.7	.0590	.6244	18.01.7	B	11 12 „
8	33.935	21.19	80.8	37·53	81.0	.0574	.6258	18·02.6	B	Midnight.
9	34.415	21.26	80.9	37.67	81.0	.0587	.6273	18.02.8	G	1 12 a.m.
10	34.484	21.29	81.0	37.73	81.0	.0591	.6280	18.03.1	G	2 12 „
11	34.552	21.26	80.8	37.73	81.0	.0587	.6280	18.03.2	G	3 12 „
12	34.758	21.22	80.6	37.77	81.0	.0580	.6284	18.03.4	G	4 12 „
13	35.238	21.21	80.5	37.78	80.9	.0579	.6285	18.03.5	C	5 12 „
14	36.473	21.30	80.5	47.81	80.9	.0592	.6289	18.03.4	C	6 12 „
15	36.885	21.42	80.6	37.75	81.1	.0612	.6282	18.02.9	C	7 12 „
16	35.993	21.77	81.0	37.68	81.3	.0670	.6274	18.01.8	C	8 12 „
17	33.935	22.06	81.0	37.53	81.0	.0717	.6258	18.00.6	B	9 12 „
18	32.083	22.21	80.5	37.42	80.5	.0742	.6246	17.59.9	B	10 12 „
19	30·711	22.45	81.1	37·53	80.9	.0781	.6258	17.59.6	B	11 12 „
20	30.573	22.57	82.0	37.55	81.5	.0801	.6260	18.00.0	B	Noon.
21	30.779	22.54	83.0	37.49	82.3	.0796	.6253	17.59.8	G	1 12 p. m.
22	31.808	22.36	83.4	37.29	82·9	.0766	.6231	17.58.9	G	2 12 „
23	32.769	22.08	83.0	37.19	82.9	.0720	.6220	17.59.1	G	3 12 „
Aug. 10th-Noon.	33.455	21.82	82.8	37.29	82.9	.0677	.6231	18.00.1	G	4 12 „
1	34.141	21.57	82.5	37.21	82.7	.0636	.6223	18.00.3	C	5 12 „
2	34.003	21.41	82.0	37.11	82.2	.0611	.6212	18.00.2	C	6 12 „
3	33.249	21.34	81.6	37.17	82.1	.0599	.6218	18.00.6	C	7 12 „
4	33.180	21.27	81.3	37.21	82.0	.0588	.6223	18.00.9	C	8 12 „
5	33.180	21.23	81.3	37.30	81.6	.0590	.6233	18.01.3	B	9 12 „
6	33.180	21.31	81.1	37.35	81.5	.0594	.6238	18.01.5	B	10 12 „
7	33.523	21.26	80.5	37.28	81·0	.0587	.6230	18.01.2	B	11 12 „
8	33.660	21.35	80.5	37.25	81.0	.0600	.6227	18.01.0	B	Midnight.
9	33.866	21.34	80.2	37.30	80.8	.0599	.6233	18.01.3	G	1 12 a. m.
10	34.278	21.31	80.0	37.32	80.5	·0594	.6235	18.01.4	G	2 12 „
11	34.072	21·33	79.9	37.31	80.4	.0597	.6234	18.01·2	G	3 12 „
12	34.072	21.36	79.7	37.30	80.0	.0602	.6233	18.01.2	G	4 12 „
13	34·484	21.49	79.7	37.19	80.0	.0624	.6220	18.00.4	C	5 12 „
14	35.170	21.53	79.9	37.12	80.1	.0630	.6213	18.00.0	C	6 12 „
15	35.787	21·75	79.5	37.05	80.0	.0666	.6205	17·59.3	C	7 12 „
16	35·375	22.11	80.1	37.01	80.2	.0725	.6201	17.58.2	C	8 12 „
17	34.346	22.53	81.0	36.72	80.6	.0794	·6169	17·56.1	B	9 12 „
18	32.906	22.55	80.5	36.72	80.6	.0797	·6169	17.56.4	B	10·12 „
19	31.602	22.79	81.7	36.69	81.3	.0837	·6165	17.55.8	B	11 12 „
20	30.093	22·68	82.0	36.57	81.5	.0818	.6152	17.55.5	B	Noon.
21	29.689	22.46	81.9	36.55	81.5	.0783	·6150	17.55.7	G	1 12 p. m.
22	29·819	22.43	82.4	36.56	82·0	.0778	.6156	17.55.7	G	2 12 „
23	31.534	22.15	82.4	36.51	82.4	.0731	.6146	17.56.1	G	3 12 „
Aug. 11th-Noon.	33.455	21.81	82.0	36.48	82.5	.0676	.6142	17.56.6	G	4 12 „
1	33.660	21.61	81.8	36.48	82.5	.0643	.6142	17.57.1	C	5 12 „
2	33.660	21.44	81.4	36.45	82.1	.0616	.6139	17.57.2	C	6 12 „
3	33.317	21.39	81.1	36.43	81.9	.0607	.6137	17.57.4	C	7 12 „
4	33.043	21.39	81·0	36.45	81.7	.0607	.6139	17.57.4	C	8 12 „
5	33·180	21.31	81.0	36.55	81.5	.0594	.6150	17.58.1	B	9 12 „
6	33.317	21.29	81.0	36.55	81.5	.0591	.6150	17.58.1	B	10 12 „
7	33.660	21.43	81.0	36.54	81.3	.0614	.6149	17.57.8	B	11 12 „
8	33.729	21.46	81.0	36.59	81.2	.0619	.6154	17.57.8	B	Midnight.
9	33.866	21·45	80.8	36.58	81.1	.0617	.6153	17.57.8	G	1 12 a.m.
10	33.866	21.43	80.5	36.53	81.0	.0614	.6148	17.57.8	G	2 12 „
11	33.935	21.40	80.3	36.52	80.5	.0609	.6147	17.57.8	G	3 12 „

DAILY OBSERVATIONS, FROM 11TH TO 13TH AUGUST 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
AUG. 11TH—12	33°935	21.35	80°0	36.62	80°5	8.0600	2.6158	17°58'3	G	4 12 a. m.
13	34.003	21.39	79·6	36.75	80.4	.0607	.6172	17.58.6	C	5 12 „
14	34.895	21.44	79·0	36.78	79·9	.0616	.6175	17.58.6	C	6 12 „
15	35.718	21.68	78.9	36.79	79·5	.0654	.6176	17.58.2	C	7 12 „
16	34.689	22.08	79.3	36.81	79.5	.0720	.6179	17.57.4	C	8 12 „
17	32.769	22.31	79.5	36.71	79.5	.0758	.6178	17.56.9	B	9 12 „
18	31.790	22.62	79.0	36.69	79.5	.0808	.6165	17.56.2	B	10 12 „
19	30·916	22.66	79.0	36.78	79.3	.0815	.6175	17.56.4	B	11 12 „
20	30.642	22.48	78.5	36.82	79·0	.0786	.6180	17.56.6	B	Noon.
21	30.779	22.23	78.4	36.86	78.8	.0746	.6184	17.57.2	G	1 12 p. m.
22	31.877	22.14	78.3	36.76	78.5	.0730	.6195	17.58 0	G	2 12 „
23	33.043	21.89	78.3	36·96	78.5	.0689	.6195	17.58.6	G	3 12 „
AUG. 12TH—Noon.	33.523	21.74	78.3	36.96	78.5	.0665	.6195	17.58.9	G	4 12 „
1	33.523	21.62	78.4	36.96	78.8	.0644	.6195	17.59.2	C	5 12 „
2	33.455	21.62	78 7	36.99	78.9	.0644	.6193	17.59.3	C	6 12 „
3	32.974	21.55	78.7	36.95	78.9	.0633	.6194	17.59.2	C	7 12 „
4	32.974	21.57	78 7	36.93	79.1	.0636	.6192	17.59.0	C	8 12 „
5	33.180	21.64	79.0	36.87	79.1	.0648	.6185	17.58.6	B	9 12 „
6	32.974	21.67	79.0	36.88	79 2	.0652	.6186	17.58.6	B	10 12 „
7	33.180	21.67	79.2	36.88	79.4	.0652	.6186	17.58.6	B	11 12 „
8	33.455	21.67	79.2	36.89	79 5	.0652	.6187	17.58.7	B	Midnight.
9	33.592	21.67	79.2	36.89	79·5	.0652	.6187	17.58.7	G	1 12 a. m.
10	33.729	21.66	79.2	36.89	79.5	.0651	.6187	17.58 7	G	2 12 „
11	33.660	21.68	79.1	36.89	79.5	.0654	.6187	17.58.7	G	3 12 „
12	33.798	21.77	79.2	36.97	79.5	.0670	.6196	17 58.8	G	4 12 „
13	33·866	21.81	79.0	36.77	79.5	.0676	.6174	17.57.8	C	5 12 „
14	34.484	21.90	79.0	36.72	79.4	.0691	.6169	17.57.5	C	6 12 „
15	35.375	21.87	78.8	36.79	79.1	.0686	.6176	17.57.7	C	7 12 „
16	34.346	21.95	78.8	36.83	79.2	.0699	.6181	17.57.9	C	8 12 „
17	33.180	22.18	79.0	36 78	79.2	.0736	.6175	17.57.1	B	9 12 „
18	31.945	22.57	79.8	36.74	79.7	.0800	.6173	17.56.6	B	10 12 „
19	30.985	22.61	80.5	36 51	80.2	.0807	.6146	17.55.5	B	11 12 „
20	30.436	22 54	80.6	36.37	80.6	.0796	.6130	17.54.7	B	Noon.
21	30.162	22.48	80.7	36·41	80.9	.0786	.6135	17 54.9	G	1 12 p. m.
22	30.436	22 24	80.5	36.46	80.5	.0747	.6140	17.55.6	G	2 12 „
23	31.602	21.94	80.5	36 52	80.5	.0698	.6147	17.56.5	G	3 12 „
AUG. 13TH—Noon.	32.769	21.74	80.5	36.52	80.5	.0665	.6147	17.57.9	G	4 12 „
1	33.523	21.13	79.8	36.56	80.5	.0564	.6151	17.58.5	C	5 12 „
2	33.112	21.42	79.6	36.47	80.1	.0612	.6141	17.57.5	C	6 12 „
3	32.426	21.56	79.1	36.42	79.6	.0635	.6136	17.56.9	C	7 12 „
4	32.631	21.61	79.1	36.43	79.6	.0643	.6137	17.57.0	C	8 12 „
5	33.180	21.56	79.1	36.58	79.2	.0635	.6153	17.57.6	B	9 12 „
6	33.180	21.66	78.5	36.67	79.0	.0651	.6163	17.57.7	B	10 12 „
7	33.455	21.71	78.5	36.64	78.8	.0660	.6160	17.57.5	B	11 12 „
8	33.935	21.68	78.5	36.61	78.7	.0654	.6157	17.57.6	B	Midnight.
9	34.552	21.78	78.5	36.66	78.7	.0671	.6162	17.57.5	G	1 12 a. m.
10	34.895	21.86	78.4	36.66	78.6	.0684	.6162	17.57.3	G	2 12 „
11	34.837	21.96	78.7	36.67	79.0	.0701	.6163	17.57.1	G	3 12 „
12	35.101	21.98	78.8	36.55	79.1	.0704	.6150	17.56.7	G	4 12 „
13	35.375	21.94	79.0	36.46	79.2	.0698	.6162	17.57.4	C	5 12 „
14	36.747	21.90	78·7	36.41	79.1	.0691	.6135	17.56.3	C	6 12 „
15	36.473	22.11	79.0	36.49	79·4	.0725	.6143	17.56.0	C	7 12 „
16	35.924	22.12	78.9	36.50	79.2	.0726	.6145	17.56.1	C	8 12 „
17	34.072	22.20	79.3	36.34	79.5	.0740	.6127	17.55.3	B	9 12 „
18	33.043	22.49	79.1	36.29	79.5	.0788	.6121	17.54.3	B	10 12 „
19	32.631	22.05	79.5	36.28	79.4	.0715	.6120	17.55.2	B	11 12 „
20	30.711	21.46	79.5	36.26	79.4	.0619	.6118	17.56.4	B	Noon.
21	32.700	21.57	80.1	36.34	80.0	.0636	.6127	17.56.6	G	1 12 p. m.
22	34.827	20.67	80.1	36.40	80.0	.0488	.6134	17.58.7	G	2 12 „
23	33.798	20.85	80.0	36.40	80.0	.0518	.6134	17.58.3	G	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 17TH AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.	'									h. m.
Aug. 14th-Noon.	33·798	20.41	79°8	36.29	79°8	8.0447	2.6121	17°59·7	G	4 12 p. m.
1	35.238	20.36	79.1	36.45	79.5	.0438	.6139	17.59.6	C	5 12 „
2	34.552	20·03	79.0	36.38	79.4	.0384	.6131	18.00.1	C	6 12 „
3	34·209	19.98	78.9	36.37	79.2	.0377	.6130	18.00.1	C	7 12 „
4	33.729	20.10	78.6	36.35	78.9	.0395	.6128	17.59.7	C	8 12 „
5	34.141	20.24	78.5	36 51	78.5	.0420	.6146	18.00.1	B	9 12 „
6	34.141	20.28	78.5	36.51	78.5	.0426	.6146	18.00.0	B	10 12 „
7	33.866	20.39	78.5	36.51	78.5	.0443	.6146	17.59.9	B	11 12 „
8	34.072	20.42	78.0	36.44	78.0	.0448	.6138	17.59.4	B	Midnight.
9	33.523	21.12	78.7	36.46	78.8	.0562	.6140	17.58.1	G	1 12 a. m.
10	34.141	21.06	78.7	36.44	78.8	.0553	.6138	17.58.1	G	2 12 „
11	34·141	20.76	78.0	36.36	78·5	.0504	.6129	17.58.4	G	3 12 „
12	34.415	20·62	77.5	36.38	78.5	·0480	.6131	17.58.8	G	4 12 „
13	34.415	20.57	77.6	36.35	78.4	.0472	.6128	17·58.8	C	5 12 „
14	34.758	20.81	77.6	36.44	78.0	.0512	.6138	17.58.7	C	6 12 „
15	36.199	21.07	78.4	36.39	78.3	.0554	.6132	17.57.9	C	7 12 „
16	35·513	21.14	78·8	36.28	78.6	.0566	·6120	17.57·2	C	8 12 „
17	35.513	20.81	79.2	36.12	78·9	.0512	.6103	17.57.3	B	9 12 „
18	34·209	21.35	80.2	35.84	79.7	.0600	.6072	17.54.8	B	10 12 „
19	33.317	21.17	80.6	35.76	80.3	.0570	.6063	17.54.9	B	11 12 „
20	32.083	20.76	80.8	35.52	80.5	.0504	.6037	17.54·9	B	Noon.
21	31.671	20·84	81.6	35.51	81.2	.0517	.6036	17.54.5	G	1 12 p. m.
22	31.740	20.85	81.8	35.49	81.4	.0518	.6033	17.54.4	G	2 12 „
23	32.426	20.74	81.5	35·88	81.4	.0501	.6032	17.54.6	G	3 12 „
Aug. 16th-Noon.	34.484	20.91	82.0	34.29	83.0	.0529	.5901	17.49.1	G	4 12 „
1	35.170	20.56	81.7	34·34	82·5	·0471	.5907	17.50.2	G	5 12 „
2	34.278	20.38	81.0	34.44	81.9	.0441	.5918	17.51.0	G	6 12 „
3	35·650	19.89	80.5	34.51	81·5	.0362	.5926	17.52.3	C	7 12 „
4	35·238	19.82	80.2	34.55	81.3	.0350	.5930	17.52.6	C	8 12 „
5	34.141	19.76	79.5	34.67	80.7	.0340	.5943	17.53.3	B	9 12 „
6	33.386	20.16	79.6	34.77	80.6	.0405	.5954	17.52.8	B	10 12 „
7	33.317	20.48	79.5	34.67	80.5	.0458	.5943	17.51.7	B	11 12 „
8	33.249	20·59	79.4	34.81	80.3	.0476	.5959	17·52.1	B	Midnight
9	33.660	20.64	79.4	34.88	80·1	.0484	.5966	17.52.3	G	1 12 a. m.
10	33.729	20·65	79.5	34.80	80.0	.0485	.5958	17.51.9	G	2 12 „
11	33.729	20.70	79.5	34·88	80.0	.0494	.5966	17.52.1	G	3 12 „
12	33.455	20.72	79.4	34·90	80.0	.0497	.5969	17.52.1	G	4 12 „
13	33.798	20.73	79.4	34.94	80.0	.0499	.5974	17.52.3	C	5 12 „
14	35.170	20·80	79.5	34.98	80.0	.0510	.5978	17·52.4	C	6 12 „
15	36.267	20.83	79.9	35.00	80.0	.0515	.5981	17.52.3	C	7 12 „
16	36.336	20.97	80.6	35.00	80.1	.0539	.5981	17.52.1	C	8 12 „
17	35.238	21.19	81.9	34.52	80.6	.0574	·5957	17.49.7	B	9 12 „
18	33.866	21·55	81.5	34.30	81.5	.0633	.5903	17.47.9	B	10 12 „
19	32.837	21.31	81.1	34.05	81·6	.0594	.5875	17.47.3	B	11 12 „
20	31.122	21.48	82.0	34.14	81.2	.0622	.5885	17.47.3	B	Noon.
21	30.368	21.41	81.5	33.94	82.0	.0611	.5863	17.46.7	G	1 12 p. m.
22	30·711	21.22	81.5	34.05	81.5	.0580	.5875	17.47.5	G	2 12 „
23	31.740	21.09	82[illegible]	34·06	82.0	.0558	.5876	17.48.7	G	3 12 „
Aug. 17th-Noon.	33.043	20.73	82.0	34.06	82.0	.0499	.5876	17.48.5	G	4 12 „
1	33.866	20.66	81.3	34.05	81.8	.0487	.5875	17.48.6	C	5 12 „
2	34.415	20.60	81.0	34.09	81.7	.0477	.5879	17.48.9	C	6 12 „
3	33.866	20·52	80.4	34.11	81.3	·0464	.5882	17.49.2	C	7 12 „
4	34.003	20.33	80·1	34.12	81.0	.0433	.5883	17.49.7	C	8 12 „
5	34.141	20.37	80.1	34.17	80.6	.0439	.5888	17.49.8	B	9 12 „
6	33.798	20·40	80.0	34.32	80.5	.0445	.5905	17.50.3	B	10 12 „
7	33.798	20.48	79.6	34.36	80.2	.0458	.5909	17.50.3	B	11 12 „
8	33.798	20.73	79.6	34.38	80.0	.0499	.5911	17.50.0	B	Midnight.
9	33.455	20.86	79.5	34.43	79.8	.0520	.5917	17.49.9	G	1 12 a. m.
10	33.112	21.05	79.4	34.50	79.9	·0551	.5925	17.49.8	G	2 12 „
11	33.249	21.02	79.4	34.55	79.9	.0546	.5930	17.50.0	G	3 12 „

DAILY OBSERVATIONS, FROM 17TH TO 19TH. AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 17th—12	33·455	21.01	79·4	34.60	79·9	8.0545	2.5936	17°50'2	G	4 12 a. m.
13	34.209	20.86	79.3	34·62	79.9	·0520	.5938	17.50.7	C	5 12 „
14	35.924	20.84	79.4	34.63	79.9	.0517	.5939	17.50.7	C	6 12 „
15	36·610	20.97	79.5	34.59	80.1	.0538	.5934	17.50.3	C	7 12 „
16	36·404	21.04	79.9	34.52	80.1	.0550	.5927	17.49.9	C	8 12 „
17	34.758	21·43	80.6	34.29	80·3	.0614	.5901	17.48.1	B	9 12 „
18	33.592	21.42	81.4	34.03	80·9	.0612	.5873	17.47.0	B	10 12 „
19	31.877	21.51	81.6	33.84	81.2	.0627	.5852	17.45.9	B	11 12 „
20	31·602	21.23	82.1	33.80	81.6	.0582	.5848	17·46.5	B	Noon.
21	30.711	21.31	82.2	33.63	81·8	.0594.	.5829	17.45.5	G	1 12 p. m.
22	31.054	21.21	82.0	33.65	81.5	.0579	.5831	17.45.8	G	2 12 „
23	31.397	20.92	82.0	33.56	82.0	.0530	.5821	17.46·0	G	3 12 „
Aug. 18th-Noon.	33.455	20.87	82.0	33.66	82.0	.0521	.5832	17.46.5	G	4 12 „
1	34.484	20.65	81.4	33.70	82.0	.0485	.5837	17.47.2	C	5 12 „
2	35.375	20.55	80.9	33.77	81.5	.0469	.5844	17.47.7	C	6 12 „
3	33.866	20.71	80.5	33.85	81.2	.0496	.5853	17.47.7	C	7 12 „
4	33.523	20.61	80.4	33.91	81.1	.0479	.5860	17.48.2	C	8 12 „
5	33.249	20.62	80.5	34.02	80·6	.0480	.5872	17.48.6	B	9 12 „
6	34.003	20.74	80.2	34.02	80.5	.0501	·5872	17.48.3	B	10 12 „
7	34.003	20·74	80.2	34·12	80.5	.0501	.5883	17.48.8	B	11 12 „
8	34.141	20·89	80.3	34.09	80·3	.0525	.5879	17.48.2	B	Midnight.
9	33.935	20.89	80·0	34.12	80.1	.0525	.5883	17.48.4	G	1 12 a.m.
10	33.866	20.96	79.8	34.19	79.8	.0537	.5890	17.48·6	G	2 12 „
11	34.346	20.91	79.2	34.27	79·8	.0529	.5899	17.49.0	G	3 12 „
12	34.346	20.82	79.0	34.29	79.5	.0513	.5901	17.49.4	G	4 12 „
13	34.552	20.91	78.9	34.32	79.4	.0529	.5905	17.49.3	C	5 12 „
14	36.267	21.01	78.9	34.46	79.4	·0545	.5920	17.49.6	C	6 12 „
15	36·953	21.08	79.2	34.50	79.4	.0556	.5925	17.49.7	C	7 12 „
16	36.542	21.30	79.5	34·54	79.6	.0592	.5929	17.49.4	C	8 12 „
17	34.964	21.57	80.0	34.19	79.7	.0636	.5890	17.47.3	B	9 12 „
18	33.180	21.53	80·0	34.00	79.9	.0630	.5870	17.46.6	B	10 12 „
19	32.083	21.63	81.0	33.86	80.8	.0646	.5854	17.45.7	B	11 12 „
20	30.985	21.80	81.8	33.69	81.2	.0674	.5835	17.44.7	B	Noon.
21	31.808	21.46	81.7	33.71	81·2	.0619	.5838	17.45 5	G	1 12 p. m.
22	32.083	21.52	81.7	33.63	81.0	.0627	.5829	17.45.0	G	2 12 „
23	31.877	21.19	80·7	33·72	80.8	.0574	.5839	17.46.2	G	3 12 „
Aug. 19th-Noon.	32.769	20.91	80.0	33.83	80.4	.0529	.5851	17.47.2	G	4 12 „
1	33.866	21·00	79.5	34.00	80.0	.0543	.5870	17.47.8	C	5 12 „
2	34.415	20.96	79.1	34.11	79.8	.0537	.5882	17.48.3	C	6 12 „
3	34·003	20.86	79.0	34.18	79.5	.0520	.5889	17·48.8	C	7 12 „
4	33.523	20.86	79.3	34.19	79.6	.0520	.5890	17.48.8	C	8 12 „
5	33.866	20·80	79.1	34.23	79.4	.0510	.5895	17.49.2	B	9 12 „
6	34.003	20.77	79.0	34.27	79.1	.0505	.5899	17.49.4	B	10 12 „
7	34.141	21.04	79.2	34.23	79.3	.0550	.5895	17.48.6	B	11 12 „
8	34.141	21.13	79.4	34.24	79.5	.0564	.5896	17.48.5	B	Midnight.
9	34.278	21.07	79.2	34.19	79.5	.0554	.5890	17.48.4	G	1 12 a. m.
10	34.415	21.05	79.1	34.19	79.5	.0551	.5890	17.48.4	G	2 12 „
11	34·484	21.09	79.1	34.13	79.5	.0558	.5884	17.48.1	G	3 12 „
12	34·484	21.03	79.0	34.19	79.5	.0548	.5890	17.48.5	G	4 12 „
13	34.552	21·01	79.0	34.20	79.4	.0546	.5892	17.48.6	C	5 12 „
14	35.238	21.09	79.2	34.30	79·6	.0558	.5903	17.48·8	C	6 12 „
15	36.542	21.08	79.1	34.33	79.5	.0556	.5906	17.49.0	C	7 12 „
16	36.885	21.28	79.4	34.35	79·7	.0590	.5908	17.48.6	C	8 12 „
17	35.787	21.42	79.6	34.14	79.6	.0612	.5885	17.47.5	B	9 12 „
18	34.209	21.72	80.4	34.00	80.0	.0661	.5870	17.46.2	B	10 12 „
19	33.043	21.95	81.2	33.82	80.6	.0699	.5850	17.45.0	B	11 12 „
20	32.700	21.91	82.1	33.64	81.2	·0693	.5830	17.44·3	B	Noon.
21	32.700	21.76	82.5	33.47	81.8	.0668	.5811	17.43·8	G	1 12 p. m.
22	32.769	21.38	82.4	33.42	82.0	.0605	.5806	17.44.4	G	2 12 „
23	33·455	21.18	80.7	33.33	81.0	.0572	.5796	17.44.5	G	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 23RD AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 20th-Noon.	34°484	21.23	81°0	33.53	81°0	8.0582	2.5818	17°45'3	G	4 12 p. m.
1	35.238	21.09	81.1	33.68	81.4	.0558	.5834	17.46.1	C	5 12 „
2	34.758	20.95	80.9	33.56	81.3	.0535	.5821	17.45.9	C	6 12 „
3	34.141	20.78	80.3	33.53	81.1	.0507	.5818	17.46.2	C	7 12 „
4	33.866	20.84	80.1	33.52	80.8	.0517	.5817	17.46.0	C	8 12 „
5	33.660	20.98	80.2	33.57	80.5	.0540	.5822	17.45.9	B	9 12 „
6	33.729	20.95	80.0	33.61	80.4	.0535	.5827	17.46.2	B	10 12 „
7	33.729	21.04	80.0	33.61	80.4	.0550	.5827	17.46.0	B	11 12 „
8	34.003	21.04	79.6	33.71	80.2	.0550	.5838	17.46.4	B	Midnight.
9	33.798	21.03	79.5	33.70	80.0	.0548	.5837	17.46.4	G	1 12 a. m.
10	33.866	21.02	79.3	33.73	79.8	.0546	.5840	17.46.5	G	2 12 „
11	34.141	21.12	79.3	33.79	79.7	.0562	.5846	17.46.6	G	3 12 „
12	34.141	21.09	79.3	33.79	79.7	.0558	.5846	17.46.6	G	4 12 „
13	34.552	21.09	79.2	33.84	79.6	.0558	.5852	17.46.8	C	5 12 „
14	34.895	21.13	79.2	33.86	79.6	.0564	.5854	17.46.9	C	6 12 „
15	36.199	21.18	79.2	33.84	79.6	.0572	.5852	17.46.7	C	7 12 „
16	36.336	21.39	79.6	33.67	79.9	.0607	.5833	17.45.5	C	8 12 „
17	35.307	21.62	80.2	33.52	80.0	.0644	.5817	17.44.4	B	9 12 „
18	33.935	21.99	80.8	33.37	80.5	.0706	.5800	17.42.9	B	10 12 „
19	33.180	22.16	81.7	33.15	81.2	.0733	.5776	17.41.7	B	11 12 „
20	31.808	22.11	82.1	32.90	81.5	.0725	.5749	17.40.6	B	Noon.
21	31.534	21.90	82.3	32.86	82.0	.0691	.5744	17.41.0	G	1 12 p. m.
22	32.083	21.59	82.7	32.92	82.5	.0640	.5751	17.41.9	G	2 12 „
23	32.426	21.19	83.0	32.82	82.8	.0574	.5740	17.42.4	G	3 12 „
Aug. 21st-Noon.	33.455	21.15	82.8	33.58	82.5	.0567	.5823	17.45.6	G	4 12 „
1	33.455	21.21	82.2	32.97	82.4	.0579	.5756	17.42.9	C	5 12 „
2	33.729	21.16	81.7	32.74	82.1	.0569	.5731	17.42.0	C	6 12 „
3	33.455	21.05	81.1	32.76	82.0	.0551	.5733	17.42.3	C	7 12 „
4	33.660	21.00	80.9	32.84	81.8	.0543	.5742	17.42.8	C	8 12 „
5	33.798	20.87	80.5	32.95	81.6	.0521	.5754	17.43.5	B	9 12 „
6	34.003	20.92	80.5	32.99	81.3	.0530	.5753	17.43.6	B	10 12 „
7	34.072	20.92	80.4	33.02	80.8	.0530	.5762	17.43.7	B	11 12 „
8	34.278	20.94	80.1	33.10	80.5	.0534	.5771	17.44.0	B	Midnight.
9	34.415	21.14	80.2	33.12	80.5	.0566	.5773	17.43.6	G	1 12 a. m.
10	34.415	21.10	80.0	33.11	80.2	.0559	.5772	17.43.6	G	2 12 „
11	34.415	21.06	79.5	33.22	80.0	.0553	.5784	17.44.2	G	3 12 „
12	34.072	20.92	79.3	33.29	79.8	.0530	.5791	17.44.4	G	4 12 „
13	34.003	21.11	79.3	33.39	79.7	.0561	.5802	17.44.8	C	5 12 „
14	35.513	21.13	79.4	33.50	79.9	.0564	.5815	17.45.4	C	6 12 „
15	36.061	21.00	79.0	33.51	79.5	.0543	.5816	17.45.7	C	7 12 „
16	36.610	21.21	79.4	33.51	79.7	.0579	.5816	17.45.2	C	8 12 „
17	35.856	21.69	80.5	33.31	80.2	.0656	.5794	17.43.2	B	9 12 „
18	35.032	21.80	81.1	33.02	80.6	.0674	.5762	17.41.8	B	10 12 „
19	34.141	21.54	81.8	32.86	81.3	.0632	.5744	17.41.7	B	11 12 „
20	32.014	21.64	82.4	32.65	81.8	.0648	.5721	17.40.5	B	Noon.
21	32.151	21.39	82.8	32.60	82.5	.0607	.5716	17.40.9	G	1 12 p. m.
22	32.769	21.09	83.0	32.49	83.0	.0558	.5703	17.41.0	G	2 12 „
23	33.592	20.82	82.8	32.39	83.0	.0513	.5672	17.41.2	G	3 12 „
Aug. 23rd-Noon.	33.798	20.94	81.6	32.61	82.1	.0534	.5717	17.42.0	B	4 12 „
1	34.141	20.93	81.6	32.63	82.0	.0532	.5719	17.42.0	C	5 12 „
2	34.209	20.87	81.3	32.64	81.9	.0521	.5720	17.42.2	C	6 12 „
3	34.141	20.66	80.6	32.72	81.5	.0487	.5729	17.42.9	C	7 12 „
4	33.935	20.76	80.5	32.80	81.2	.0504	.5738	17.43.2	C	8 12 „
5	33.935	20.82	80.6	32.74	81.2	.0513	.5731	17.42.8	B	9 12 „
6	33.935	20.82	80.5	32.82	80.8	.0510	.5740	17.43.2	B	10 12 „
7	34.209	20.84	80.5	32.87	80.7	.0517	.5745	17.43.2	B	11 12 „
8	34.278	20.90	80.1	32.97	80.5	.0527	.5756	17.43.5	B	Midnight.
9	34.072	20.78	79.3	33.01	80.3	.0507	.5761	17.43.9	G	1 12 a. m.
10	34.072	20.74	78.8	33.08	80.0	.0501	.5768	17.44.3	G	2 12 „
11	33.935	20.78	78.8	33.09	79.8	.0507	.5769	17.44.2	G	3 12 „

DAILY OBSERVATIONS, FROM 23RD TO 25TH AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 23rd—12	33°935	20.97	79°0	33.19	79°8	8.0538	2.5780	17°44'3	G	4 12 a. m.
13	33.798	21.05	79.3	33.21	79.5	.0551	.5783	17.44.2	C	5 12 „
14	34.689	21.13	79.4	33.34	79.6	.0564	.5797.	17.44.7	C	6 12 „
15	35.170	21·13	79.4	33.38	79.7	·0564	.5801	17.44.8	C	7 12 „
16	35.581	21.25	79.9	33.41	79.9	.0585	.5805	17·44.6	C	8 12 „
17	34·689	21.49	80.3	33.21	80.2	.0624	.5783	17.43.3	B	9 12 „
18	33·866	21.79	80.9	32.92	80.6	.0673	.5751	17.41.5	B	10 12 „
19	33.729	21.79	81·5	32.89	81.2	.0673	.5747	17.41.3	B	11 12 „
20	33.866	21.80	82.1	32.75	81.5	.0674	.5732	17.40.8	B	Noon.
21	33.592	21.82	82.4	32.63	81.8	.0677	·5719	17·40.1	G	1 12 p. m.
22	33.112	21.70	82.7	32.56	82.0	.0658	.5711	17.40.1	G	2 12 „
23	32.083	21.54	82.7	32.61	82.3	.0632	.5717	17.40.7	G	3 12 „
Aug. 24th-Noon.	32.769	21.37	82.6	32.48	82.5	.0603	.5702	17.40.4	G	4 12 „
1	33.317	21.20	81.7	32.55	82.1	.0577	.5710	17.41.1	C	5 12 „
2	33.455	21.10	81.0	32.63	81.5	.0559	.5719	17.41.6	C	6 12 „
3	33.935	21.13	81.0	32.70	81.3	.0564	.5727	17.42.0	C	7 12 „
4	34.072	21.12	80.9	32.78	81.3	.0562	.5735	17.42.3	C	8 12 „
5	33.866	20.99	80.9	32.78	81.1	.0542	.5735	17.42.6	B	9 12 „
6	33.866	20.96	80.6	32.83	80.9	.0537	.5741	17.42.8	B	10 12 „
7	33.866	20.99	80.6	32.87	80.8	.0542	.5745	17.43.0	B	11 12 „
8	33.866	21.12	80.5	32.87	80.7	.0562	.5745	17.42.7	B	Midnight.
9	33.935	21.22	80.4	32.92	80.6	.0580	.5751	17.42.7	G	1 12 a. m.
10	33.935	21.26	80.3	33.02	80.5	.0587	.5762	17.42.8	G	2 12 „
11	34.346	21.24	80.0	33.02	80.5	.0584	.5762	17.43.0	G	3 12 „
12	34.346	21.22	80.0	32.95	80.4	.0580	.5754	17.42.8	G	4 12 „
13	34.484	21.23	79.9	32.95	80.4	.0582	.5754	17.42.8	C	5 12 „
14	35.444	21.27	79.9	32.97	80.3	.0588	.5756	17.42.7	C	6 12 „
15	36.061	21.31	80.0	33.00	80.3	.0594	.5760	17.42.8	C	7 12 „
16	35.787	21.44	80.3	33.01	80.5	.0616	.5761	17.42.4	C	8 12 „
17	35.233	21.53	80.5	32.87	80.8	.0630	.5745.	17.41.8	B	9 12 „
18	34.552	21.67	81·2	32.69	81.2	.0652	.5725	17.40.7	B	10 12 „
19	33.935	21.82	82.1	32.46	81.9	.0677	.5700	17.39.4	B	11 12 „
20	33.386	21.98	82.8	32.28	82.5	.0704	.5680	17.38.3	B	Noon.
21	32.837	21.94	83.0	32.18	82.7	.0698	.5669	17.37.9	G	1 12 p. m.
22	33.729	21.69	83.0	32.09	82.9	.0656	.5659	17.38.0	G	2 12 „
23	32.769	21.74	83.3	32.09	83.0	.0665	.5659	17.38.0	G	3 12 „
Aug. 25th-Noon.	33.112	21.44	82.9	32.09	83.0	.0606	.5659	17.38.5	G	4 12 „
1	33.592	21.16	82.6	32.09	83.0	.0569	.5659	17.39.2	C	5 12 „
2	32.974	21.04	82.1	32.08	82.8	.0550	.5658	17.39.4	C	6 12 „
3	33.798	21.02	81.8	32.15	82 4	.0546	.5666	17.39.6	C	7 12 „
4	33.660	20.93	81.4	32.24	82.2	.0532	.5676	17.40.3	C	8 12 „
5	33.935	20.74	80.8	32.30	81.6	·0501	.5683	17.41.0	B	9 12 „
6	33.866	20.73	81.0	32.45	81.5	.0499	.5699	17.41.6	B	10 12 „
7	33.866	20.79	81.0	32.50	81.5	.0509	.5705	17.41.8	B	11 12 „
8	33.866	20.96	80.9	32.53	81.5	.0537	.5708	17.41.5	B	Midnight.
9	33.866	21.04	80.5	32.54	81.3	.0550	.5709	17.41.3	G	1 12 a. m.
10	33.935	21.24	80.3	32.61	81.0	.0584	.5717	17.41.4	G	2 12 „
11	34.209	21.49	80.2	32.71	80.9	.0624	.5728	17.41.2	G	3 12 „
12	34.278	21.44	80.1	32.72	80.7	.0616	.5729	17.41.3	G	4 12 „
13	35.375	21.26	80.0	32.76	80.7	.0587	.5733	17.41.8	C	5 12 „
14	35.375	21.32	80.0	32.78	80.6	.0595	.5735	17.41.8	C	6 12 „
15	36.199	21.32	80.0	32.81	80.6	.0595	.5739	17·41.9	C	7 12 „
16	35.581	21.39	80.4	32.90	80.8	.0607	.5749	17.42.2	C	8 12 „
17	34.278	21.48	81.3	32.64	81.2	.0622	.5720	17·40.9	B	9 12 „
18	33.180	21.73	82.3	32.45	81.7	.0663	.5699	17.39.6	B	10 12 „
19	32.357	21.80	82.5	32.45	81.8	.0674	.5699	17.39.4	B	11 12 „
20	32.151	21.85	82.8	32.38	82.5	.0682	.5691	17.39·0	B	Noon.
21	32.494	21.70	83.0	32.26	82.8	.0658	.5678	17.38.3	G	1 12 p. m.
22	33.592	21.19	83.0	32.09	83.0	.0574	.5659	17.39.2	G	2 12 „
23	33.523	21.13	83.4	32.09	83.5	.0564	.5659	17.39.3	G	3 12 „

DAILY OBSERVATIONS, FROM 27TH TO 29TH AUGUST 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 27th-Noon.	35'307	20.82	83°5	31.89	84°5	8.0513	2.5637	17°39'2	C	4 12 p.m.
1	34.415	21.00	83.1	31.88	84.1	·0543	.5636	17.38.7	C	5 12 „
2	34.072	20.96	82.3	31.90	83.5	.0537	.5639	17.38.8	C	6 12 „
3	34·003	20.94	82.0	32.02	83.2	.0534	.5652	17.39.4	C	7 12 „
4	33.798	20.89	81.9	32.08	83.1	.0525	.5658	17.39.7	C	8 12 „
5	33.866	21.09	82.0	32.23	82.6	.0558	.5675	17.39.9	B	9 12 „
6	34.003	21.12	81.6	32.23	82.5	.0562	.5675	17.39.9	B	10 12 „
7	34.141	21.13	81.4	32.27	82.2	.0564	.5679	17.40.0	B	11 12 „
8	34.141	21·16	81.4	32.31	82.0	.0569	·5684	17.40.1	B	Midnight.
9	34·278	21.19	81.2	32.40	82.0	.0574	.5694	17.40.1	G	1 12 a.m.
10	34.415	21.23	81.0	32.46	81.9	.0582	.5700	17.40.7	G	2 12 „
11	34.484	21.28	81.0	32.49	81.8	.0590	5703	17.40.6	G	3 12 „
12	34.415	21.41	80.9	32.55	81.7	.0611	.5710	17.40.7	G	4 12 „
13	34.484	21.41	80.9	32.57	81.6	.0611	·5712	17.40.7	C	5 12 „
14	35.375	21.31	80.1	32.57	80.6	.0594	.5712	17.40.9	C	6 12 „
15	35.924	21·40	80.0	32.75	80.1	.0609	.5732	17.41.5	C	7 12 „
16	35.238	21.57	79.6	32.77	80.0	.0636	.5734	17.41.2	C	8 12 „
17	33.592	21.83	79.6	32.78	80·0	.0679	.5735	17.40.8	B	9 12 „
18	31.671	21.89	79.6	32.77	79·7	.0687	.5734	17.40.5	B	10 12 „
19	30.436	21.94	80.5	32.81	80·2	.0698	.5739	17.40.6	B	11 12 „
20	30.299	21.82	81.1	32.77	80.6	.0677	.5734	17.40.7	B	Noon.
21	31.122	21.97	82.0	32.64	81.4	.0703	.5720	17.39.9	G	1 12 p.m.
22	31.945	21.97	82.0	32.66	82.0	.0703	.5722	17.40.0	G	2 12 „
23	32.769	21.98	81.8	32.60	82.0	.0704	.5716	17.39.7	G	3 12 „
Aug. 28th-Noon.	33.043	21.57	81.0	32.55	81.8	.0637	.5710	17.40.3	G	4 12 „
1	33.386	20.95	81.0	32.64	81.6	.0535	.5720	17.42.1	C	5 12 „
2	33.112	20.52	80.7	32.63	81.3	.0464	.5719	17.42.9	C	6 12 „
3	33.043	20.53	80·5	32.64	81.2	.0466	.5720	17.42.9	C	7 12 „
4	32.974	20.76	80.5	32.66	81.2	.0504	.5722	17.42.5	C	8 12 „
5	33.455	20.84	80.5	32.78	81.0	.0517	.5735	17.42.8	B	9 12 „
6	34.003	21.04	80.5	32.78	81.0	.0551	.5735	17.42.4	B	10 12 „
7	34.346	21.14	80.5	32.83	80·9	.0566	.5741	17.42.4	B	11 12 „
8	35·032	21.05	80.5	32.83	80.9	.0551	.5741	17.42.6	B	Midnight.
9	35.307	21.49	80·5	32.91	80.9	.0624	.5750	17.42.1	G	1 12 a. m.
10	35.307	21.23	80.4	32.83	80.9	.0582	.5741	17.42.3	G	2 12 „
11	35.444	21.30	80.3	32.78	80.9	.0592	.5735	17.41.9	C	3 12 „
12	35.101	21.07	80.2	32.75	80.9	.0554	.5732	17.42.2	C	4 12 „
13	35.238	21.10	80.3	32.76	80.7	.0559	.5733	17.42.3	B	5 12 „
14	35.787	21.10	80.5	32.77	80.7	.0569	.5734	17.42.2	B	6 12 „
15	37.228	20.92	80.4	32.72	80.5	.0530	.5729	17.42·4	G	7 12 „
16	36.679	21.37	80.6	32.72	80·5	.0604	.5729	17.41.5	G	8 12 „
17	35.856	21.46	81.5	32.73	81.2	.0619	.6730	17.41.3	C	9 12 „
18	34·003	21.91	82.7	32.55	82.0	.0693	.5710	17.39.6	C	10 12 „
19	31.671	22.00	82.7	32·32	82.4	.0707	.5685	17.38.4	B	11 12 „
20	31.259	21.45	83.4	32.14	82.6	.0617	.5665	17.38.7	B	Noon.
21	31.397	21.48	83.8	32.17	83.0	.0622	.5668	17.38.8	G	1 12 p.m.
22	32.426	21.12	84.0	32.11	83.7	.0562	.5662	17.39.3	G	2 12 „
23	33.925	20.81	84.1	31.99	84.1	·0512	.5648	17.39.6	C	3 12 „
Aug. 29th-Noon.	35.238	20.51	83.8	31.85	84.2	.0463	.5633	17.39.7	C	4 12 „
1	35.032	20.22	83.3	31.83	84.2	.0415	.5631	17.40.0	B	5 12 „
2	35.032	19.85	82.6	31.89	83·8	.0354	.5637	17.41.1	B	6 12 „
3	34.689	20.41	82.0	31.87	83.0	.0447	.5635	17.39.8	G	7 12 „
4	34.837	20.54	81.7	32.16	82.5	.0468	.5656	17.40.4	G	8 12 „
5	34.415	20·62	81.6	32.08	82.3	.0480	.5658	17.40.4	C	9 12 „
6	34.484	20.70	81.4	32.06	82.1	.0494	.5656	17.40.1	C	10 12 „
7	34.484	21.02	81.2	32.18	82.0	.0546	.5669	17.39.7	B	11 12 „
8	34.894	20.89	81.0	32.25	81.7	.0525	.5677	17.40.4	B	Midnight.
9	34.758	20.94	80.8	32.25	81.5	.0534	.5677	17.40.1	G	1 12 a. m.
10	34.415	21.11	80.6	32.25	81·5	·0561	.5677	17.40.0	G	2 12 „
11	34.484	20.94	80 5	32.31	81.0	.0534	.5684	17.40.6	G	3 12 „

DAILY OBSERVATIONS, FROM 29TH AUGUST TO 1ST SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Aug. 29th—12	34·278	21.00	80·4	32.39	80·9	8.0543	2.5692	17·40·8	G	4 12 a.m.
13	35·513	21.03	80.2	32.41	80.7	.0548	.5695	17.40.8	C	5 12 „
14	36.199	21.02	80.1	32.45	80 6	.0546	.5699	17·41.1	C	6 12 „
15	36.267	21.05	80·3	32.45	80.7	.0551	.5699	17.40.9	C	7 12 „
16	34.552	21.38	80.7	32.32	80.8	·0605	.5685	17.39.7	C	8 12 „
17	34.552	21.66.	80.9	32.32	80.8	.0651	.5685	17·39.1·	B	9 12 „
18	33.317	21.79	81.6	32.35	81.6	.0673	.5677	17.38.8	B	10 12 „
19	31.465	21.86	82.5	31.96	82·1	.0684	.5645	17.37.2	B	11 12 „
20	30.848	21.86	83.0	31.83	82.5	.0684	.5631	17.36.5	B	Noon.
21	30.711	21.83	83·2	31.78	82.8	.0679	.5625	17·36.5	G	1 12 p.m.
22	32.083	21.85	83·7	31.91	83.0	.0682	.5640	17.37.1	G	2 12 „
23	32.769	21.60	83·2	31.99	83.0	.0641	.5648	17.37.9	G	3 12 „
Aug. 31st-Noon.	34.837	21.96	82.3	31·79	83·0	.0701	.5626	17.36·2	G	4 12 „
1	34.141	21.31	82.1	31.73	83.0	.0594	.5620	17.37.4	G	5 12 „
2	34.415	21.09	81.4	31.70	82.6	.0558	.5617	17·37.7	C	6 12 „
3	33.935	21.03	81.0	31.67	82·3	.0548	·5613	17·37·7	C	7 12 „
4	33.866	20.99	80.8	31.70	82.1	.0542	.5617	17.38·0	C	8 12 „
5	33.866	21.08	80.8	31.80	81.5	.0556	.5628	17.38.1	B	9 12 „
6	33.866	21.10	80.5	31.76	81.2	.0559	.5623	17.37·9	B	10 12 „
7	34.003	21.19	80.5	31.89	81.2	·0574	·5637	17.38.2	B	11 12 „
8	34.209	21.22	80.4	31·78	81.1	·0580	.5625	17.37.8	B	Midnight.
9	34.346	21.27	80.3	31.83	81.0	.0588	.5631	17.37.9	G	1 12 a.m.
10	34.346	21.33	80.2	31.87	80.9	.0597	.5635	17.37·9	G	2 12 „
11	34.484	21.38	80.2	31.88	80.8	.0605	.5636	17.37.8	G	3 12 „
12	34.415	21.35	80.2	31.77	80.8	.0600	.5624	17.37·4	G	4 12 „
13	34.552	21.32	79.5	31.69	80.5	.0595	.5615	17.37.2	C	5 12 „
14	35.170	21.41	79.3	31.61	80.3	·0611	.5607	17.36·9	C	6 12 „
15	35.856	21·22	79.2	31.58	80.0	·0580	.5603	17.36·9	C	7 12 „
16	35.856	21.36	79.3	31.57	80.0	.0602	.5602	17.36.5	C	8 12 „
17	34.346	21.65	80.0	31.50	80.0	.0649	·5595	17.35.6	B	9 12 „
18	32.494	21.85	80.5	31.51	80.3	.0683	.5596	17.35.3	B	10 12 „
19	31.122	22.07	81.6	31.63	80.9	.0718	.5609	17.35.3	B	11 12 „
20	29.613	22·15	82.7	31.65	81.8	.0731	.5611	17.35.2	B	Noon.
21	30.093	22.03	83·0	31·58	82.5	.0712	·5603	17.35.2	G	1 12 p.m.
22	31.534	21.80	82.1	31·77	82.3	.0674	.5624	17.36.4	G	2 12 „
23	32.769	21.82	82·8	31.78	82.5	.0677	.5625	17·36.5	G	3 12 „
Sept. 1st-Noon.	34.278	21·60	82.8	31.78	82.8	.0641	.5625	17·37.0	G	4 12 „
1	34·415	21.45	82.0	31.80	82.5	.0617	.5628	17.37.3	G	5 12 „
2	34.141	21.36	81·2	31.66	82·1	.0602	·5612	17.36·9	G	6 12 „
3	33·866	21.33	80.8	31.65	81.8	.0597	.5611	17.36.9	G	7 12 „
4	33.523	21.23	80·7	31·65	81·5	·0582	.5611	17·37.2	G	8 12 „
5	33.866	21·16	80.5	31.72	81·3	.0569	.5619	17.37.6	C	9 12 „
6	33.798	21.29	80·3	31.74	81.2	.0591	.5621	17.37.4	C	10 12 „
7	33.866	21.35	80.2	31.74	81·1	.0600	.5621	17.37.3	C	11 12 „
8	34.141	21·36	80.2	31.76	81.1	.0602	·5623	17.37.4	C	Midnight.
9	34.246	21.45	80.1	31.77	80·6	.0617	.5624	17.37.1	B	1 12 a.m.
10	34·621	21.43	80.1	31.67	80.5	.0614	.5613	17.36.9	B	2 12 „
11	34·621	21·41	80.0	31.76	80.4	.0611	.5623	17.37.3	B	3 12 „
12	34.621	21.46	80.0	31.79	80.4	.0619	.5626	17.37.2	B	4 12 „
13	34·837	21·51	79.8	31.80	80.1	.0627	.5628	17.37·2	G	5 12 „
14	35.650	21.46	79.8	31.88	80.0	.0619	·5636	17.37.7	G	6 12 „
15	37.296	21.20	79.8	31.84	80.0	.0576	.5632	17.38.0	G	7 12 „
16	37·022	21.32	80.4	31.81	80.2	.0595	.5629	17.37.7	G	8 12 „
17	35.375	21.51	81.1	31.75	80.9	.0627	.5622	17.36.9	C	9 12 „
18	33.249	21.69	82.1	31.65	81.6	.0656	.5611	17.36.1	C	10 12 „
19	31.534	21·78	83.1	31.59	82.3	.0671	.5604	17.35.7	C	11 12 „
20	30.779	21.78	83.3	31.51	82.7	.0671	.5596	17.35.4	C	Noon.
21	31·259	21.71	83 5	31.49	82.9	.0660	.5593	17.35.4	B	1 12 p.m.
22	32.494	21.71	83.5	31.44	83.0	·0660	.5588	17.35.2	B	2 12 „
23	33.455	21.77	83.9	31.43	83.5	.0670	.5587	17.35.1	B	3 12 „

DAILY OBSERVATIONS, FROM 2ND TO 4TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Sept. 2nd-Noon.	34·278	21.62	83·4	31.36	83·5	8.0644	2.5579	17°35′1	B	4 12 p. m.
1	34·141	21.63	83.0	31.30	83.2	.0646	.5573	17.34.7	G	5 12 „
2	34.141	21.40	82.5	31.29	83.0	.0609	.5571	17.35.2	G	6 12 „
3	33.729	21.27	81.8	31.36	82.7	.0588	.5579	17.35.7	G	7 12 „
4	33.729	21.23	81.3	31.38	82.5	.0582	.5581	17.36.0	G	8 12 „
5	33.866	21.29	81.1	31.41	82.0	.0592	.5585	17.36.0	C	9 12 „
6	33.935	21.21	81.1	31.42	81.9	.0578	.5586	17.36.2	C	10 12 „
7	34.484	21.11	80.9	31.45	81.7	.0561	.5589	17.36.5	C	11 12 „
8	34.072	21.20	80.8	31·62	81.5	.0576	.5597	17·36.7	C	Midnight.
9	34.141	21.28	80.7	31.54	81.3	.0589	.5599	17.36.5	B	1 12 a.m.
10	34.209	21.41	80.5	31.53	81.1	.0611	.5598	17.36.3	B	2 12 „
11	34.209	21.45	80.5	31.53	81.0	.0617	.5598	17.36.1	B	3 12 „
12	34.552	21.39	80.5	31.57	80.8	.0607	.5602	17.36.4	B	4 12 „
13	35.444	21.36	80.3	31.58	80.7	.0602	.5603	17.36.6	G	5 12 „
14	35.856	21.35	80.0	31.62	80.5	.0600	.5608	17.36.8	G	6 12 „
15	36.473	21.35	80.0	31.64	80.5	.0600	.5610	17.36.9	G	7 12 „
16	36.473	21.55	80.7	31.62	80.7	.0633	.5608	17.36.4	G	8 12 „
17	34.758	21.86	81.7	31.61	81.3	.0684	.5607	17.35.7	C	9 12 „
18	33.455	22.10	82.3	31.52	82.0	.0723	.5597	17.34.8	C	10 12 „
19	31·328	22.23	82.8	31·46	82.1	.0745	.5590	17.34.1	C	11 12 „
20	30.779	22.11	82.3	31.44	82.0	.0725	.5588	17.34.3	C	Noon.
21	31.671	21.95	82.4	31.47	82.3	.0699	.5591	17.34.8	B	1 12 p. m.
22	32.631	21.90	82.5	31.47	82.4	.0691	.5591	17.34.9	B	2 12 „
23	34.003	21.76	82.5	31.48	82.5	.0668	.5592	17.35.3	B	3 12 „
Sept. 3rd-Noon.	35.170	21.64	82.6	31.43	82.6	.0648	.5587	17.35.4	B	4 12 „
1	35.170	21.64	82.7	31.38	82.8	.0648	.5581	17.35.2	G	5 12 „
2	34.346	21.60	82.2	31.40	82.8	.0641	.5584	17.35.3	G	6 12 „
3	33.798	21.47	81.8	31.48	82.5	.0621	.5592	17.35.9	G	7 12 „
4	33.798	21.32	81.5	31.48	82.0	.0595	.5592	17.36.3	G	8 12 „
5	33.866	21.29	81.2	31.47	82.0	.0591	.5591	17.36.2	C	9 12 „
6	34.072	21.24	81.1	31.55	81.9	.0583	.5600	17.36.7	C	10 12 „
7	34.141	21.34	81.0	31.57	81·8	.0599	.5602	17.36.5	C	11 12 „
8	34.278	21.36	80.9	31.49	81.7	.0602	.5593	17.36.2	C	Midnight.
9	34.484	21.39	80.9	31.54	81.3	.0607	.5599	17.36.3	B	1 12 a. m.
10	34.552	21.31	80.7	31.54	81.2	.0594	.5599	17.36.5	B	2 12 „
11	34.689	21.30	80.6	31.53	81.1	.0592	.6698	17.36.5	B	3 12 „
12	34.552	21.30	80.5	31.47	80.6	.0592	.5591	17.36.2	B	4 12 „
13	34.621	21.35	79.9	31.50	80.5	.0600	.5595	17.36.3	G	5 12 „
14	35.787	21.32	79.5	31.52	80.1	.0595	.5597	17.36.4	G	6 12 „
15	36.747	21.39	79.1	31.60	80.0	.0607	.5606	17·36.6	G	7 12 „
16	35·924	2·161	79.5	31.58	80.0	.0643	.5603	17.36.1	G	8 12 „
17	34.552	21.93	80.2	31.52	80.3	.0696	.5597	17·35.2	C	9 12 „
18	32.769	22.11	80.6	31.48	80.9	.0725	.5592	17.34.4	C	10 12 „
19	31.945	22.14	81.3	31.43	81.4	.0730	.5587	17.34.2	C	11 12 „
20	31.397	22·13	80.9	31.42	81.2	.0728	.5586	17.34.2	C	Noon.
21	31.524	22.19	81.5	31.42	81.4	.0738	.5586	17.34.1	B	1 12 p. m.
22	32·426	22.21	82·4	31.41	82·0	.0742	.5585	17.34.1	B	2 12 „
23	33.523	21.87	82.5	31.42	82.4	.0686	.5586	17.34.8	B	3 12 „
Sept. 4th-Noon.	34.141	21.50	82.1	31.38	82.5	.0625	.5581	17.35.3	B	4 12 „
1	34.278	21.42	81.7	31.40	82.5	.0612	.5584	17.35.7	G	5 12 „
2	34.072	21.52	81.5	31.42	82.2	.0628	.5586	17.35.5	G	6 12 „
3	33.866	21.44	81.3	31.46	82.0	.0616	.5590	17.35.8	G	7 12 „
4	33.729	21.37	81·0	31.55	81.8	.0603	.5600	17.36.5	G	8 12 „
5	33·866	21.23	81.0	31.44	81.7	.0581	.5588	17.36.3	C	9 12 „
6	33.935	21.20	80.9	31.36	81.5	.0576	.5579	17.35.9	C	10 12 „
7	34.072	21.25	80.3	31.32	81.1	.0584	.5575	17.35.6	C	11 12 „
8	34.278	21.42	80.2	31.32	81.0	.0612	.5575	17.35.4	C	Midnight.
9	34.689	21·56	80.2	31.32	80.6	.0635	.5575	17.35.0	B	1 12 a.m.
10	34.964	21.37	80.1	31.32	80.5	.0604	.5575	17.35.5	B	2 12 „
11	34.689	21.31	79.8	31.36	80.3	.0594	.5579	17.35.8	B	3 12 „

DAILY OBSERVATIONS, FROM 4TH TO 7TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Sept. 4th—12	34'552	21.30	79°7	31.36	80°2	8.0592	2.5579	17°35'8	B	4 12 a. m.
13	34.895	21.40	79·7	31.35	80.0	.0609	.5578	17.35 5	G	5 12 „
14	35.032	21.44	79·7	31.40	80·0	.0616	.5584	17.35.6	G	6 12 „
15	36.404	21.46	79.5	31.47	79·5	.0619	.5591	17.35.9	G	7 12 „
16	35.993	21 46	79.5	31.49	79.5	.0619	.5593	17.36.0	G	8 12 „
17	33.866	21.84	79.6	31.34	79.6	.0681	.5577	17.34.6	C	9 12 „
18	32.083	22.15	80.0	31.37	79.8	.0731	.5580	17.34.0	C	10 12 „
19	31·397	22.16	80.7	31.41	80.3	.0733	.5585	17.34.2	C	11 12 „
20	30.505	22.20	80.5	31.41	80·3	.0740	.5585	17.34.1	C	Noon.
21	30.985	22.17	80.1	31.37	80.1	.0735	.5580	17.34.0	B	1 12 p. m.
22	31.465	22.06	80.4	31.36	80.4	.0717	.5579	17.34.2	B	2 12 „
23	32.426	21.99	80.9	31·32	80.9	.0706	.5575	17.34.1	B	3 12 „
Sept. 6th-Noon.	34.072	21.20	78.3	31.38	79.3	.0576	.5581	17.36.0	B	4 12 „
1	34.415	21.31	78.1	31.43	78.9	.0594	.5587	17.36.1	G	5 12 „
2	33.935	21.39	78.0	31.46	78.8	.0607	.5590	17.36.0	G	6 12 „
3	33.523	21.37	77.9	31.46	78.8	.0603	.5590	17.36.1	G	7 12 „
4	33.660	21.25	77.8	31.46	78.8	.0584	.5590	17.36.2	G	8 12 „
5	33.866	21.28	77.7	31.38	78.6	.0589	.5081	17.35.8	C	9 12 „
6	34.003	21.43	77.4	31.37	78.5	.0614	.5580	17.35.6	C	10 12 „
7	34.346	21.32	77.4	31.40	78.3	.0595	.5584	17.35.8	C	11 12 „
8	34.209	21 36	77.1	31.41	78.0	.0602	.5585	17.35.9	C	Midnight.
9	34.415	21.30	77.2	31.34	78·1	.0592	.5577	17.35.7	B	1 12 a. m.
10	34.689	21.19	77.0	31.43	77.6	.0574	.5587	17.36.4	B	2 12 „
11	34 552	21.19	76 6	31.37	77.3	.0574	.5580	17.36.1	B	3 12 „
12	34 415	21.41	76.7	31.37	77.4	.0611	.5580	17.35.6	B	4 12 „
13	34·484	21.29	76 6	31.42	77.2	.0591	.5586	17.36.4	G	5 12 „
14	34.964	21.29	76.6	31.46	77.2	.0591	.5590	17.36.2	G	6 12 „
15	36.679	21.41	77.0	31.43	77.5	.0611	.5587	17.35.9	G	7 12 „
16	37.159	21.50	77.5	31.44	78.0	.0625	.5588	17.35.6	G	8 12 „
17	35.375	21.65	77.8	31.36	78.2	.0649	.5579	17.34.9	C	9 12 „
18	34.003	21.78	77.8	31.32	78.2	.0671	.5575	17.34 6	C	10 12 „
19	32.288	21.90	77.7	31.24	78.2	.0691	.5566	17.34.0	C	11 12 „
20	31.740	21 88	77.6	31.19	78.0	.0687	.5560	17.33.8	C	Noon.
21	31.945	21.67	77.6	31.39	78.0	.0653	.5582	17.35.0	B	1 12 p. m.
22	32.837	21.58	77.6	31·46	78.0	.0638	.5590	17.35.6	B	2 12 „
23	33.317	21.48	78.1	31.46	78.1	.0622	.5590	17.35.8	B	3 12 „
Sept. 7th-Noon.	33.729	21.44	78.5	31.45	78.4	.0616	.5589	17.35.9	B	4 12 „
1	33.729	21.29	78.0	31.44	78.0	.0591	.5588	17.36.1	G	5 12 „
2	33.729	21.43	77.8	31.44	77.9	.0614	.5588	17.35.8	G	6 12 „
3	33.660	21.32	77.8	31.44	78.0	.0595	.5588	17.36.1	G	7 12 „
4	33.729	21.30	77.8	31.44	78.0	.0592	.5588	17.36.1	G	8 12 „
5	33.798	21.35	77.8	31.42	78.0	.0600	.5586	17.35.9	C	9 12 „
6	33.866	21.35	77.8	31.38	78.0	.0600	.5581	17.35.7	C	10 12 „
7	34.003	21.38	77.8	31.40	78.0	.0605	.5584	17.35.7	C	11 12 „
8	34.141	21.35	77.8	31.40	78.0	.0600	.5584	17.35.8	C	Midnight.
9	34.415	21.41	78.0	31.44	78.0	.0611	.5588	17.35.9	B	1 12 a. m.
10	34.346	21.31	77.6	31.39	78.0	.0594	.5582	17.35.9	B	2 12 „
11	34.415	21.45	77.6	31.44	78.0	.0617	.5588	17.35.8	B	3 12 „
12	34.415	21.52	77.6	31.39	78.0	.0628	.5582	17.35.4	B	4 12 „
13	34 415	21.42	77.2	31.38	78.0	.0612	.5581	17.35.6	G	5 12 „
14	34.837	21.46	77.0	31.34	78.0	.0619	.5577	17.35.4	G	6 12 „
15	35.787	21.64	77.5	31.38	78·0	.0643	.5581	17.35.1	G	7 12 „
16	35.307	21.98	77.7	31.44	78.0	.0704	.5588	17.34.7	G	8 12 „
17	35.170	22.13	77.9	31.41	78.2	.0728	.5585	17.34.2	C	9 12 „
18	34.278	22.32	78.0	31.40	78.2	.0759	.5584	17.33.7	C	10 12 „
19	32.563	22.58	78.7	31.35	78.6	.0802	.5578	17.33.0	C	11 12 „
20	31.602	22.64	79.7	31.28	79.1	.0812	.5570	17.32.6	C	Noon.
21	31.122	22.56	80 6	31.19	79.5	.0799	.5560	17.32.2	B	1 12 p. m.
22	31.808	22.38	81.4	31.01	80.4	.0769	.5541	17.32.0	B	2 12 „
23	32.563	22.07	81.8	31.04	81.2	.0719	.5544	17.32.8	B	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH SEPTEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
SEPT. 8TH-Noon.	33·386	22.15	81·9	31.05	81·6	8.0731	2.5545	17°32·7	B	4 12 p. m.
1	33.523	22.09	81.5	31.03	81.6	.0722	.5543	17.32.7	G	5 12 „
2	33.112	21·93	81.0	30.94	81.3	.0696	.5533	17.32.7	G	6 12 „
3	33·455	21.30	80.0	31.02	80.7	.0592	.5542	17.34.3	G	7 12 „
4	33.180	20.96	79.8	31.01	80.2	.0537	.5541	17.35.0	G	8 12 „
5	33.798	20.85	79.6	31.03	80.2	.0518	.5543	17.35.3	C	9 12 „
6	34.072	20.86	79·5	31.04	80.1	.0520	.5544	17.35.3	C	10 12 „
7	35.170	20.71	79.7	31.08	80.2	.0496	.5548	17.35.8	C	11 12 „
8	34.964	20.99	79.7	31.08	80.2	.0542	.5548	17.35.3	C	Midnight.
9	34.895	20.92	79.5	30.95	80.1	.0530	.5534	17.34.8	B	1 12 a. m.
10	34.837	21.00	79.4	30.95	80.1	.0543	.5534	17.34.7	B	2 12 „
11	34·689	21.05	79.2	30.98	79·9	.0551	.5537	17.34.6	B	3 12 „
12	34.552	21·13	79.1	30.94	79.7	.0564	.5533	17.34.3	B	4 12 „
13	34.621	21.17	79.0	30.95	79.6	.0571	.5534	17·34.3	G	5 12 „
14	36.130	21.17	79.0	30.99	79.5	.0571	.5538	17.34.5	G	6 12 „
15	36.679	21.23	79.0	30.99	79.5	.0581	.5538	17.34.4	G	7 12 „
16	36·267	21.36	79·5	30.99	79.8	.0602	.5538	17.34·1	G	8 12 „
17	34.895	21.56	80.4	31.01	80·2	.0635	·5541	17.33.7	C	9 12 „
18.	34·141	21.85	81.3	30.95	80.9	.0682	.5534	17.32.9	C	10 12 „
19	32.906	21.77	82.1	30.87	81.6	.0670	.5525	17.32.7	C	11 12 „
20	32.288	21.38	82.8	30.75	82.1	.0605	.5512	17.33·0	C	Noon.
21	32.631	21·59	83.2	30.43	82.5	.0640	.5477	17.31.2	B	1 12 p. m.
22	32.837	21.32	83.3	30.43	82.7	.0595	.5477	17.31.7	B	2 12 „
23	32.837	21.20	83.3	30·25	83.4	.0576	.5457	17.31.3	B	3 12 „
SEPT. 9TH-Noon.	33.249	21.19	83.1	30.06	83.5	.0574	.5436	17.30.4	B	4 12 „
1	33.249	21.08	82.6	30·07	83·0	·0556	.5439	17.30.8	G	5 12 „
2	34.141	20.91	82.0	30.08	82.8	.0529	.5438	17.31.1	G	6 12 „
3	35·032	20.37	81.3	30.18	82·5	.0440	.5449	17.32.6	G	7 12 „
4	34·895	20.30	81.0	30.20	82.0	.0428	.5452	17.32.9	G	8 12 „
5	34.209	20.49	80.8	30.35	81.7	.0460	.5468	17.33.1	C	9 12 „
6	34.415	20.64	80.5	30.43	81.0	.0484	.5477	17.33.9	C	10 12 „
7	36.130	20.57	80.4	30.53	81.0	.0473	.5488	17.33.8	C	11 12 „
8	35.856	19·75	80.3	30.53	81.0	.0338	.5488	17·35.5	C	Midnight
9	35.581	19.86	80.3	30.52	80·7	.0356	.5487	17.35.2	B	1 12 a. m.
10	34.964	20·25	80.3	30.52	80.6	.0420	.5487	17.34.4	B	2 12 „
11	34.278	20.57	80.1	30·52	80.5	.0473	.5487	17.33.8	B	3 12 „
12	33.866	20.75	79.6	30·53	80.3	.0502	.5488	17.33.4	B	4 12 „
13	34.141	20.88	78.8	27.57	79.5	.0523	.5162	17.20.4	G	5 12 „
14	34.484	20·73	78.5	27.47	79.1	.0499	.5151	17·20.3	G	6 12 „
15	36.130	20.62	78.7	26.98	79.2	.0480	.5097	17.18.5	G	7 12 „
16	35.856	20.40	78.9	26.86	79.3	.0445	.5084	17.18.3	G	8 12 „
17	34.621	20.82	79.4	26.49	79.7	.0513	·5043	17.15.9	C	9 12 „
18	34.072	21·02	79.3	26.49	79.8	.0546	.5043	17.15.5	C	10 12 „
19	32.837	20.57	79.4	25.49	79·8	.0473	.4933	17.12.2	C	11 12 „
20	32.220	20.98	81.2	25.22	80.5	.0540	.4904	17.10.1	C	Noon.
21	32.014	20.98	82·1	25.05	81.5	.0540	.4885	17.09.4	B	1 12 p. m.
22	33·249	20.30	81.5	24.90	81.5	.0431	.4869	17.10.2	B	2 12 „
23	34.003	20.01	80·5	24·94	81.2	.0381	.4873	17.11.0	B	3 12 „
SEPT. 10TH-Noon.	34.964	19.81	80.1	25.02	80.8	.0348	.4882	17.11.8	B	4 12 „
1	37.571	20.02	80.4	25.03	80.9	.0382	.4883	17.11.3	G	5 12 „
2	37.502	19.34	80.2	25.02	80.5	.0271	.4882	17.12.8	G	6 12 „
3	35.307	19·59	80.2	25.02	80.5	·0312	.4882	17.12.3	G	7 12 „
4	35.375	19.28	79·8	25.09	80.3	.0261	.4889	17.13.2	G	8 12 „
5	35.032	20.45	79.5	25 30	80.0	.0453	.4913	17.11.6	C	9 12 „
6	34.484	20·28	79.5	25.35	79.9	.0426	.4918	17.12.2	C	10 12 „
7	34.837	20.25	79.4	25.39	79.7	.0421	.4922	17.12.4	C	11 12 „
8	34.837	20.39	79.0	25.39	79.6	.0443	.4922	17.12.1	C	Midnight.
9	34.758	20.48	79.1	25.24	79.5	.0458	.4906	17.11.2	B	1 12 a. m.
10	34.552	20.59	79.1	25.38	79.3	.0476	.4921	17.11.6	B	2 12 „
11	34.552	20.65	79.1	25.58	79.3	.0485	.4943	17.12.4	B	3 12 „

DAILY OBSERVATIONS, FROM 10TH TO 13TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Sept. 10th—12	34°758	20.77	79°1	25.63	79°3	8.0505	2.4949	17°12'3	B	4 12 a. m.
13	35.238	20.57	79.0	25·60	79.3	·0472	.4946	17.12.7	G	5 12 „
14	35.787	20.64	79.4	25.63	79.4	.0484	.4949	17.12.6	G	6 12 „
15	36·404	20.41	79.5	25.59	79.5	.0447	.4944	17.12.9	G	7 12 „
16	35·581	20.81	80.0	25.52	79.9	.0512	.4937	17.11.8	G	8 12 „
17	34.278	20·86	80.0	25.30	80·0	.0520	.4913	17.10.7	C	9 12 „
18	33.592	20.80	80.3	25.25	80·0	.0510	.4907	17.10.7	C	10 12 „
19	32.357	21.08	81.3	25 22	80.5	.0556	.4904	17.09.9	C	11 12 „
20	31·397	20.94	82.0	25.18	81.0	.0534	.4899	17·10.1	C	Noon.
21	32.288	20.72	82.6	24.96	82·0	.0497	.4875	17.09.5	B	1 12 p. m.
22	33.249	20.61	82.7	24.83	82.5	.0479	.4861	17.09.3	B	2 12 „
23	34.346	20.74	82.7	24.78	82.6	.0501	.4855	17.08·8	B	3 12 „
Sept. 11th-Noon.	35.718	20.53	82.7	24.64	83.1	.0466	.4840	17.08.6	B	4 12 „
1	35.924	20.46	82.0	24.67	83.0	.0455	.4843	17.08.9	G	5 12 „
2	35.787	20.54	81.5	24.66	82.4	.0468	.4842	17.08.6	G	6 12 „
3	35.101	20.33	81.0	24.68	82.0	.0433	.4844	17.09.2	G	7 12 „
4	34.964	20.74	80.5	24.89	81.6	.0501	.4867	17.09.2	G	8 12 „
5	34.689	20.50	80.4	25.19	81·2	.0461	.4900	17.11.0	C	9 12 „
6	34.758	20.60	80.0	25.23	81.0	.0477	·4905	17.11.0	C	10 12 „
7	34.552	20·69	80.2	25·31	81.0	.0492	.4914	17.11.1	C	11 12 „
8	34.484	20·71	80.2	25.33	81·0	.0496	.4916	17.11.2	C	Midnight.
9	34.552	20.80	80·3	25.32	80.7	.0510	.4915	17.11.0	B	1 12 a.m.
10	34.621	20.81	80.3	25.37	80.6	.0512	.4920	17.11·2	B	2 12 „
11	34.758	20.83	80.2	25.42	80.6	.0515	.4926	17.11.3	B	3 12 „
12	34.758	20.89	80.2	25 42	80.5	.0525	.4926	17.11.2	B	4 12 „
13	35.238	20.82	80.0	25.47	80.4	.0513	.4931	17.11.5	G	5 12 „
14	36.130	20.85	80.0	25.49	80.4	·0518	.4933	17.11.6	G	6 12 „
15	36.267	20.58	80.1	25.51	80.4	.0474	.4938	17.12.2	G	7 12 „
16	35·787	21.13	80.7	25·52	80.6	.0564	.4937	17·11.2	G	8 12 „
17	35.032	21.48	81.7	25.38	81.1	.0605	.4921	17.09.9	C	9 12 „
18	33.180	21.81	82·3	25.25	81.7	.0676	.4907	17.08.5	C	10 12 „
19	31.671	22.04	83.0	25.26	82.0	.0714	.4908	17.08.0	C	11 12 „
20	32.357	21.23	83.5	25.28	82.7	.0581	.4910	17.09.9	C	Noon.
21	32.426	21.18	83.8	21.40	83·2	.0572	.4814	17.06.2	B	1 12 p. m.
22	33.112	21.00	83.6	21.31	83.5	.0543	.4804	17.06.2	B	2 12 „
23	35.170	20.43	82·8	21·29	82.9	.0450	.4801	17.07.3	B	3 12 „
Sept.13th-Noon.	35.307	21.47	84.0	22.64	84.5	.0621	.4840	17.06.6	G	4 12 „
1	35.513	21·01	83.1	22.40	84.0	.0545	.4814	17.06.5	G	5 12 „
2	34.964	20.80	82.5	22.23	83.5	.0513	.4795	17.06.3	G	6 12 „
3	35·307	20.65	82.2	22.20	83.2	.0485	.4792	17·06.5	G	7 12 „
4	34.837	20.45	81.9	22.21	83.0	.0453	.4793	17.06.9	G	8 12 „
5	34.837	20·55	81.6	22.47	82.7	.0469	.4821	17.07.8	C	9 12 „
6	34 837	20.92	81.3	22.54	82.4	.0530	.4829	17.07.3	C	10 12 „
7	35.101	20.58	81.2	22.55	82.3	.0474	.4830	17.08.1	C	11 12 „
8	35.444	20.56	81.1	22.55	82.2	.0471	.4830	17.08.2	C	Midnight.
9	35.032	20.85	81.2	22.61	82.0	.0518	.4837	17.07.8	B	1 12 a. m.
10	34.837	20.83	81.1	22.66	81.9	.0515	.4842	17.08.6	B	2 12 „
11	34·758	20.85	81.1	22.90	81.6	.0518	.4869	17.08.9	B	3 12 „
12	34·837	20.85	81.1	23.05	81.6	.0518	.4885	17.09.6	B	4 12 „
13	34.552	21·03	81.0	23.17	81.5	.0548	.4898	17.09.7	G	5 12 „
14	36.199	21.03	80.8	23.29	81·5	.0548	.4911	17.10·2	G	6 12 „
15	37.296	20.88	81.0	23.35	81.5	.0523	.4918	17.10.9	G	7 12 „
16	36.610	21.23	81.7	23.27	82·0	.0581	.4909	17.09.8	G	8 12 „
17	34.552	21.62	82.5	23.16	82.3	.0644	.4897	17.08.6	C	9 12 „
18	33.180	21.86	83.5	22.81	82.9	·0684	.4859	17.06.5	C	10 12 „
19	31.740	22.11	84.0	22.79	83.2	.0725	.4856	17.05.9	C	11 12 „
20	30.916	22.02	84.6	22.70	84.1	·0710	.4847	17.05·7	C	Noon.
21	31.671	21.53	84.6	22.47	84.1	.0630	.4821	17.05·7	B	1 12 p. m.
22	33.455	20.78	83.5	22.51	83.5	.0507	.4826	17.07.5	B	2 12 „
23	35·513	20.33	83.3	22.81	83.5	.0433	.4859	17.09.8	B	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 16TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Sept. 14th-Noon.	36·061	20.39	83·0	23.06	83·5	8.0443	2.4776	17°06'4	B	4 12 p. m.
1	35.238	20.80	82.5	23.05	83.0	.0510	.4775	17.05.5	G	5 12 ,,
2	34.274	20.77	82.0	23.09	82.9	.0505	.4779	17.05.6	G	6 12 ,,
3	34.689	20.66	81.7	23.07	82.2	.0487	.4777	17·05.9	G	7 12 ,,
4	34.964	20.30	80.0	23.13	81.5	.0428	.4784	17.06.8	G	8 12 ,,
5	34.621	20.37	80.4	23.25	81.5	.0439	.4797	17.07.3	C	9 12 ,,
6	34.895	20.72	80.6	23.26	81.5	.0497	.4798	17.06.5	C	10 12 ,,
7	34.552	20.63	80.4	23.31	81.4	.0482	.4804	17.06.9	C	11 12 ,,
8	34·552	20.74	80.3	23.37	81.3	.0501	.4810	17.07.0	C	Midnight.
9	34.837	20.82	80.4	23·34	81·2	.0513	.4807	17.06.8	B	1 12 a. m.
10	34.552	20.92	80.1	23.42	80.8	.0530	.4816	17.06.8	B	2 12 ,,
11	34.758	20.87	80.1	23.42	80.7	.0521	.4816	17.06.9	B	3 12 ,,
12	34·837	20.95	80·0	23.37	80.5	.0535	.4810	17.06.5	B	4 12 ,,
13	35.993	20.94	80.8	23.33	80.4	.0534	.4806	17.06.4	G	5 12 ,,
14	36.610	20.92	80.0	23.31	80.3	.0530	.4804	17.06.3	G	6 12 ,,
15	37.502	20.17	79.0	23.37	89.7	.0407	.4810	17.08.2	G	7 12 ,,
16	37.502	20.81	79.8	23.40	80.0	.0512	.4814	17.07.1	G	8 12 ,,
17	36.130	21.19	80.0	23.40	80.0	.0574	.4814	17.06.1	C	9 12 ,,
18	34.758	21.50	80.3	23.41	80.2	.0625	.4815	17.05.5	C	10 12 ,,
19	32.631	21.48	81.3	23.43	81.1	.0622	.4817	17.05.7	C	11 12 ,,
20	31.122	21 41	82.4	23.48	82.1	.0611	.4822	17.06.0	C	Noon.
21	31.259	21.74	83.5	23.58	82.6	.0665	.4833	17.05.8	B	1 12 p. m.
22	32.631	21.51	83.1	23.48	82.5	.0627	.4822	17.05.7	B	2 12 ,,
23	35.238	21.48	83.7	23.65	83.2	.0622	.4841	17.06.6	B	3 12 ,,
Sept. 15th-Noon.	34.964	21.21	83.9	23·46	83.7	.0578	.4820	17.06.4	B	4 12 ,,
1	34.837	20.92	83.7	23.42	84.0	.0530	.4816	17.06.8	G	5 12 ,,
2	34.837	20.96	82.8	23.43	83.6	.0537	.4817	17.06.8	G	6 12 ,,
3	34.346	20.75	82.0	23.50	83·2	.0502	.4825	17.07.6	G	7 12 ,,
4	34.209	20.71	81.7	23.53	83.0	.0496	.4828	17.07.6	G	8 12 ,,
5	34.209	20.82	81.4	23·50	82.7	.0513	.4825	17.07.5	C	9 12 ,,
6	33.866	21.24	81.3	23·50	82.3	.0583	.4825	17.06.8	C	10 12 ,,
7	34.003	21·05	81.2	23.57	82.2	.0551	.4832	17.07.1	C	11 12 ,,
8	34.689	20.75	81.2	23.56	82.1	.0502	.4831	17.07.8	C	Midnight.
9	34.484	20.87	81.2	23.51	82.0	.0522	.4826	17.07.3	B	1 12 a. m.
10	34.621	20.92	81.1	23.65	81.8	.0530	.4841	17.07.8	B	2 12 ,,
11	34.758	20.96	80.9	23.85	81.6	.0537	.4863	17.08.5	B	3 12 ,,
12	34.895	20.89	80.5	23.94	81.3	.0525	.4873	17.09.0	B	4 12 ,,
13	34.552	21.00	80.0	23.97	81.1	.0543	.4876	17.09.0	G	5 12 ,,
14	35.307	20.95	80.0	24.13	80.9	.0535	.4894	17.09.7	G	6 12 ,,
15	36.610	21·12	81.0	24.15	81.0	.0562	.4896	17.09.5	G	7 12 ,,
16	37.022	21.12	81.5	24.23	81.1	.0562	.4905	17.09.9	G	8 12 ,,
17	36.130	21.26	81.7	24.27	81.6	.0586	.4909	17.09.6	C	9 12 ,,
18	34.484	21.41	81.0	24.26	81.2	.0611	.4908	17.09.4	C	10 12 ,,
19	31.877	21.65	81.9	24.22	81.8	.0649	.4904	17.08.6	C	11 12 ,,
20	31.602	21.66	82.9	24.18	82.3	.0651	.4899	17.08.4	C	Noon.
21	31.808	21·53	83.5	24.08	82.7	.0630	.4888	17.08.3	B	1 12 p. m.
22	32.906	21.34	84.1	24.11	83.5	·0599	.4892	17.08.8	B	2 12 ,,
23	33.317	21.34	84.4	24.12	84.1	.0599	.4893	17.08.9	B	3 12 ,,
Sept. 16th-Noon.	34.415	21·27	84.2	24.02	84.5	.0588	.4882	17.08.7	B	4 12 ,,
1	34.278	21.28	83.9	23.84	84.5	.0589	.4862	17.07.8	G	5 12 ,,
2	34.209	21.09	83.0	23.82	84.1	.0558	.4860	17.08.1	G	6 12 ,,
3	34.552	20.98	82.4	23.84	83.4	.0540	.4862	17.08.4	G	7 12 ,,
4	34.552	20.76	82.0	23.89	83.0	.0504	·4867	17.09.2	G	8 12 ,,
5	34.484	20.83	81.9	23.98	82.7	.0515	·4877	17.09.4	C	9 12 ,,
6	34.837	20·73	81.6	23.98	82.4	.0532	.4877	17.09.2	C	10 12 ,,
7	34.621	20·96	81·4	23.99	82.3	.0537	.4878	17.09.1	C	11 12 ,,
8	34 552	21.01	81·2	24.00	82.1	.0545	.4880	17.09.1	C	Midnight.
9	34.964	20.99	81.2	24.06	81.9	.0542	.4886	17.09.4	B	1 12 a. m.
10	34.758	21.03	81.1	24.05	81.6	.0548	.4885	17.09.3	B	2 12 ,,
11	34 689	21.08	80.8	24.04	81.3	.0556	.4884	17.09.1	B	3 12 ,,

DAILY OBSERVATIONS, FROM 16TH TO 18TH SEPTEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
SEPT. 16TH—12	34·837	21.01	80·4	24.03	80·9	8.0545	2.4883	17°09·2	B	4 12 a. m.
13	34.689	21.09	80.0	24.02	80.8	.0558	.4882	17.09.0	G	5 12 ,,
14	35.718	21.15	80.0	24.14	80.8	.0567	.4895	17.09.4	G	6 12 ,,
15	36.610	21·24	80.8	24.27	81.0	·0583	.4909	17.09.7	G	7 12 ,,
16	36.964	21.18	81.0	24.15	81.1	.0572	.4896	17·09.4	G	8 12 ,,
17	36·542	21.50	81.6	24.20	81.7	.0625	.4902	17.09.0	C	9 12 ,,
18	35·513	21.73	82.4	24.22	82.0	.0663	.4904	17.08.5	C	10 12 ,,
19	34.484	21.87	83·0	24.24	82.8	.0680	.4906	17.08.3	C	11 12 ,,
20	32.837	22.03	83.6	24.08	83.1	.0712	.4888	17.07.3	C	Noon.
21	32.769	21.73	83.4	23.86	83.5	.0663	·4864	17·07.0	B	1 12 p. m.
22	33.866	21.35	81.5	24.01	82.0	.0600	·4881	17.08.4	B	2 12 ,,
23	34.837	21.31	81.5	24.05	81.8	.0594	.4885	17.08.7	B	3 12 ,,
SEPT. 17TH-Noon.	35.575	21.31	81.5	24.05	81.6	.0594	.4775	17.04.4	B	4 12 ,,
1	35.307	21.32	81.5	24.04	81.4	.0595	.4774	17.04.2	G	5 12 ,,
2	34.895	21.12	81.5	24.04	81.4	.0562	.4774	17.04.7	G	6 12 ,,
3	34.209	20.90	80.0	24.02	80.7	.0527	.4772	17.05.0	G	7 12 ,,
4	33.866	21.06	79.8	24.04	80.5	.0553	.4774	17.04.8	G	8 12 ,,
5	34.141	20.35	79.7	24.07	80.5	.0436	.4777	17.06.5	C	9 12 ,,
6	34.072	20.01	79.6	24.06	80.4	.0381	.4776	17.07.2	C	10 12 ,,
7	34.278	20.31	79.8	24.12	80.4	.0430	.4783	17.06.8	C	11 12 ,,
8	34.484	19.82	79.7	24.13	80.3	.0349	.4784	17.07.8	C	Midnight.
9	34.346	19.93	79.6	24.05	80.1	.0368	.4775	17.07.3	B	1 12 a. m
10	34.552	20.01	79.6	24.15	80.1	.0381	.4786	17.06.6	B	2 12 ,,
11	34.278	20.05	79.5	24.20	80.0	.0387	.4792	17.07.6	B	3 12 ,,
12	34.072	20.14	79.5	24.20	79.9	.0402	.4792	17.07.5	B	4 12 ,,
13	34.837	20.73	79.4	24.19	79.6	.0499	.4790	17.06.2	C	5 12 ,,
14	35.170	20.92	79.1	24.19	79.5	.0530	.4790	17.05.8	G	6 12 ,,
15	36.061	21.07	79.0	24.25	79.5	.0554	.4797	17.05.8	G	7 12 ,,
16	36.610	21.43	79.8	24.29	79.5	.0614	.4801	17.05.2	G	8 12 ,,
17	36.542	21.72	80.2	24.33	80.0	.0661	.4806	17.04.7	C	9 12 ,,
18	34.621	22.05	80·9	24.32	80.4	.0715	.4803	17.03.9	C	10 12 ,,
19	33.592	22.31	82.0	24.22	81.3	.0758	.4794	17.02.9	C	11 12 ,,
20	33.180	22.38	82.8	24.12	82.1	.0769	.4783	17.02.4	C	Noon.
21	32.837	22.31	83.1	23.98	82.6	.0758	.4767	17.01.9	B	1 12 p. m
22	33.386	22.11	83.1	23.93	82.6	.0725	.4762	17.02.2	B	2 12 ,,
23	34.141	21.99	83.3	23.95	83.4	.0706	.4764	17.02.5	B	3 12 ,,
SEPT. 18TH-Noon.	34.552	21.83	83.3	23.89	83.7	.0679	.4757	17.02.6	B	4 12 ,,
1	35.238	21.32	83.0	23.73	83.8	.0595	.4740	17.03.1	G	5 12 ,,
2	34.415	20.93	82.1	23.69	83.1	.0532	.4735	17.03.7	G	6 12 ,,
3	34.621	20.69	81.8	23.72	82.5	.0492	.4739	17.04.3	G	7 12 ,,
4	35.032	20.50	81.0	23.76	82.0	.0461	.4743	17.04.9	G	8 12 ,,
5	34.837	20.59	80.7	23.80	81.9	.0476	.4748	17.04.8	C	9 12 ,,
6	34.484	20.68	80.5	23.80	81.7	.0490	.4748	17.04.6	C	10 12 ,,
7	34.484	20.81	80.2	23.79	81.4	.0512	.4746	17.04.4	C	11 12 ,,
8	34.484	20.75	80.0	23.94	81.2	.0502	.4763	17.05.1	C	Midnight.
9	34.895	20.76	79.8	23.93	80.9	.0504	.4762	17.05.0	B	1 12 a. m.
10	34.895	20.91	79.8	23.82	80.6	.0529	.4750	17.04.3	B	2 12 ,,
11	34.621	21.04	79.8	23.82	80.5	.0550	.4750	17.04.0	B	3 12 ,,
12	34.552	21.21	79.9	23.82	80.5	.0578	.4750	17.03.7	B	4 12 ,,
13	35.238	21.17	79.9	23.93	80.3	.0571	.4762	17.04.1	G	5 12 ,,
14	35.581	21.10	79.9	24.00	80.0	.0559	.4770	17.04.6	G	6 12 ,,
15	35.925	20.85	80.0	23.90	80.1	.0518	.4759	17.04.7	G	7 12 ,,
16	36.130	21.07	81.0	23.92	80.5	.0555	.4761	17.04.3	G	8 12 ,,
17	34.484	21.33	81.9	23.93	81.6	.0597	.4762	17.03.7	C	9 12 ,,
18	33.729	21.44	82.4	23.83	82.1	.0616	.4751	17.03.1	C	10 12 ,,
19	32.494	21.53	83.1	23.85	82.8	.0630	.4753	17.03.1	C	11 12 ,,
20	32.014	21.36	83.9	23.68	83.3	.0602	.4734	17.02.7	C	Noon.
21	32.288	21.59	84.1	23.61	83.5	.0640	.4727	17.02.0	B	1 12 p. m.
22	33.592	21.59	84.1	23.69	83.6	.0640	.4735	17.02.3	B	2 12 ,,
23	34.621	21.45	84.1	23.68	84.3	.0617	.4734	17.02.4	B	3 12 ,,

DAILY OBSERVATIONS, FROM 20TH TO 22ND SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
SEPT. 20TH—Noon.	34·837	21.35	83·5	23.34	84·5	8.0600	2.4697	17°01′1	G	4 12 p.m.
1	34.552	21.25	83.0	23.32	84.5	.0585	.4695	17.01.3	G	5 12 ,,
2	34.209	21.01	82.7	23.33	83.8	.0463	.4696	17.03.0	G	6 12 ,,
3	33·935	21.07	82.0	23.29	83.0	.0554	.4691	17.01.6	G	7 12 ,,
4	34.278	21.14	81.6	23.35	83.0	.0566	.4698	17.01.7	G	8 12 ,,
5	34.278	21.07	81.1	23.33	82.3	.0554	.4696	17.01.8	C	9 12 ,,
6	34.278	21.03	80.4	23.30	81.9	.0540	.4693	17.01.9	C	10 12 ,,
7	34.484	21.02	80.4	23.37	81.9	.0546	.4700	17.02.0	C	11 12 ,,
8	34·552	21·32	80.3	23.42	81.7	.0595	.4706	17.01.6	C	Midnight.
9	34·484	21.20	80.3	23.40	81.7	.0577	.4704	17.01.8	B	1 12 a.m.
10	34.837	21.07	80.2	23.34	81.2	.0554	.4697	17.01.9	B	2 12 ,,
11	35.307	20.90	80.0	23.28	81.0	.0527	.4690	17.01.9	B	3 12 ,,
12	35.032	20.96	79.8	23.28	81.0	.0537	.4690	17.01.8	B	4 12 ,,
13	35.170	20.98	79.8	23.31	81.0	.0540	.4694	17.01.9	G	5 12 ,,
14	35.238	20.98	79.8	23.33	81.0	.0540	.4696	17.02.0	G	6 12 ,,
15	36.061	21·04	80.0	23.34	80.8	.0550	.4697	17.01.9	G	7 12 ,,
16	36.061	21.07	80.4	23.33	81.0	.0554	.4696	17.01.8	G	8 12 ,,
17	35.375	21.39	81.3	23.34	81·6	.0607	.4697	17.01.2	C	9 12 ,,
18	34.689	21.63	82.3	23.14	82·1	.0646	.4675	16.59.7	C	10 12 ,,
19	33.660	21.99	83.2	23.09	82·9	.0706	.4669	16.58.8	C	11 12 ,,
20	33.180	21.94	83.8	23.10	83.2	.0698	.4671	16.58.9	C	Noon.
21	33.112	21.80	83.6	23.10	83.2	.0674	.4671	16.59.3	B	1 12 p.m.
22	33.866	21.66	84.0	23.11	83.7	.0651	.4672	16.59.6	B	2 12 ,,
23	34.386	21.37	84.0	23.12	84.1	.0603	.4673	17.00.3	B	3 12 ,,
SEPT. 21ST—Noon.	34.072	21.29	84.0	22.94	84.5	.0591	.4653	16.59.7	B	4 12 ,,
1	34.072	21.21	83.4	22.96	84.5	.0579	.4655	17.00.0	G	5 12 ,,
2	34.484	21.22	82.6	23.02	84.0	.0580	.4662	17.00.1	G	6 12 ,,
3	34.415	21.06	82·0	23.09	83.1	.0553	.4669	17.00.7	G	7 12 ,,
4	34.484	21.07	81.7	23.09	83.0	.0554	.4669	17.00.7	G	8 12 ,,
5	34.346	21.12	81.4	23.13	82.7	.0562	.4674	17.00.8	C	9 12 ,,
6	34.621	21.15	81.1	23.15	82.4	.0567	.4676	17.00.8	C	10 12 ,,
7	34.621	21.16	80.9	23.14	82.1	.0569	.4675	17.00.8	C	11 12 ,,
8	34·621	21.20	80.6	23.09	81.8	.0577	.4669	17.00.4	C	Midnight.
9	34.837	21.09	80·5	23.15	81.5	.0558	.4676	17.00.9	B	1 12 a.m.
10	34.758	21.25	80.3	23.09	81.3	.0585	.4669	17.00.2	B	2 12 ,,
11	34.552	21.27	80.1	23.04	80.8	.0588	.4664	17.00.0	B	3 12 ,,
12	34.386	21.37	80.1	23.03	80.4	.0603	.4663	16.59.9	B	4 12 ,,
13	34.484	21.33	80.1	23.09	80.4	.0597	.4669	17.00.1	G	5 12 ,,
14	34.837	21.15	80.0	23.11	80.4	.0567	.4672	17.00.6	G	6 12 ,,
15	35.375	21.05	79.7	23.11	80.2	.0551	.4672	17.00.8	G	7 12 ,,
16	35.718	21.17	80.1	23.11	80.4	.0570	.4672	17.00.6	G	8 12 ,,
17	35.238	21.64	81.3	23.09	81.0	.0648	.4669	16.59.4	C	9 12 ,,
18	35·101	22.02	82.4	23.08	81.9	.0710	.4668	16.58.8	C	10 12 ,,
19	33.455	22.18	83.0	23.06	82.7	.0736	.4666	16.58.2	C	11 12 ,,
20	32.563	22.18	83.3	23.06	83.1	.0736	.4666	16.58.2	C	Noon.
21	32.700	22.02	84.1	23.11	83.6	.0710	.4672	16.58.9	B	1 12 p.m.
22	33.935	21.91	84.4	23.11	83.6	.0693	.4672	16.59.1	B	2 12 ,,
23	34.278	21.75	84.4	23.08	84.2	.0666	.4668	16.59.3	B	3 12 ,,
SEPT. 22ND—Noon.	34.758	21.63	84.4	23.14	84.8	.0646	.4675	16.59.7	B	4 12 ,,
1	34.141	21.53	83.8	23.03	85.0	.0630	.4663	16.59.5	G	5 12 ,,
2	34.141	21.44	83.0	22.92	84·1	.0616	.4651	16.59.2	G	6 12 ,,
3	34.415	21.42	82.6	23.06	83.6	.0612	.4666	16.59.9	G	7 12 ,,
4	34.278	21.46	82.0	23.05	83.2	.0619	.4665	16.59.7	G	8 12 ,,
5	34.484	21·29	81.6	22.93	83.0	.0591	.4652	16.59.6	C	9 12 ,,
6	34.689	21.25	81.4	22.88	82.8	.0584	.4646	16.59.4	C	10 12 ,,
7	34.689	21.21	81.2	22.87	82.4	.0578	.4645	16.59.6	C	11 12 ,,
8	34.689	21.30	81.0	22.89	82.2	.0592	.4647	16.59.5	C	Midnight.
9	34.621	21.36	80.9	23.01	81.6	.0602	.4661	16.59.8	B	1 12 a.m.
10	34.278	21.33	80.7	23.01	81·5	.0597	.4661	16.59.9	B	2 12 ,,
11	34.552	21.46	80.6	23.00	81.5	.0619	.4660	16.59.5	B	3 12 ,,

DAILY OBSERVATIONS, FROM 22ND TO 24TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Sept. 22nd—12	34·415	21.49	80·5	23.04	81·3	8.0624	2.4664	16°59′6	B	4 12 a.m.
13	34·552	21.52	80·5	23.04	81.2	.0628	.4664	16·59.5	G	5 12 „
14	34.552	21.54	80.5	23.03	81.0	.0632	.4663	16·59.6	G	6 12 „
15	36.406	21.41	80·5	23.03	81.0	.0611	.4663	16.59.9	G	7 12 „
16	36.610	21.63	81.5	23.13	81.5	·0646	.4674	16.59.7	G	8 12 „
17	35.581	21.92	82.6	23.15	82.4	.0694	.4676	16·59.2	C	9 12 „
18	34.621	22.39	83.4	23.11	83.0	.0771	.4672	16.58.1	C	10 12 „
19	33.455	22.03	83.8	23.10	83·3	.0712	.4671	16.58.8	C	11 12 „
20	32.837	21.79	84.0	23.08	83.9	.0673	.4668	16.59.3	C	Noon.
21	33.043	21.51	84·4	23.01	84.2	.0627	.4661	16·59.4	B	1 12 p.m.
22	34.072	21.34	84·5	23.04	84.6	.0599	.4664	16.59.9	B	2 12 „
23	34.837	21.08	84·8	23.10	85.0	.0556	.4671	17.00.7	B	3 12 „
Sept. 23rd—Noon.	35.718	20.69	84.7	22·97	85°5	.0488	.4656	17.01·1	B	4 12 „
1	35.375	20.53	84·5	22.87	85.1	.0466	.4645	17.01.0	G	5 12 „
2	34.895	20.18	83.8	22.85	85·0	.0408	.4643	17·01.7	G	6 12 „
3	35.101	20.25	83.0	22.91	84.2	.0421	·4650	17·01·8	G	7 12 „
4	34.621	20.69	82.8	22.92	84.0	.0492	.4651	17.00·9	G	8 12 „
5	34.552	20.82	82.4	22.76	83.7	.0513	.4633	17.00.0	C	9 12 „
6	35.170	20.65	82.3	22.74	83.4	.0485	.4631	17.00·1	C	10 12 „
7	35.924	20.65	82.1	22.79	83.3	·0485	·4636	17.00.5	C	11 12 „
8	35.993	20.44	82.0	22·88	83.1	·0452	.4646	17.01.2	C	Midnight.
9	36.610	20.43	81.8	22.90	82.6	.0450	.4649	17.01.3	B	1 12 a.m.
10	36.610	20.44	81.4	22.96	82.5	.0452	.4655	17.01·6	B	2 12 „
11	37.159	20.52	81.2	23.06	82.0	.0464	.4666	17.01.8	G	3 12 „
12	36.816	20.73	81.0	22.99	81.6	.0499	.4658	17.01·0	G	4 12 „
13	36.404	20.58	80.9	22.96	81.6	.0474	.4655	17.01.4	C	5 12 „
14	35.650	20.41	80.9	23.05	81.5	·0447	.4665	17.01·9	C	6 12 „
15	36.061	20·52	81.2	23.06	81.9	·0464	.4666	17.01·8	B	7 12 „
16	36.199	20.63	81.3	23.06	81.9	.0482	.4666	17.01.6	B	8 12 „
17	35.238	21.05	81.4	23.06	82.0	.0551	·4666	17.00.6	G	9 12 „
18	34.837	21.23	81.0	23.05	81.5	.0581	.4665	17.00.3	G	10 12 „
19	33.729	21.54	81.1	23.07	81.9	.0632	.4667	16·59.7	C	11 12 „
20	32.563	21·65	82.0	23.02	82.2	.0649	.4662	16.59.1	C	Noon.
21	32.563	21.50	82.6	23·08	82.6	.0625	·4668	16.59.7	B	1 12 p.m.
22	33.249	21.25	83.0	23·13	83.0	.0584	.4674	17.00.4	B	2 12 „
23	34.278	21.06	83·5	23.11	83.8	.0553	.4672	17·00.8	G	3 12 „
Sept. 24th—Noon.	34.837	20·87	84.0	23.11	84.4	.0521	.4672	17.01.2	G	4 12 „
1	34.689	20.98	83.3	22.99	84.3	.0540	.4658	17.00.6	C	5 12 „
2	34.346	20.92	82·6	22.65	84·0	.0530	.4621	16.59.2	C	6 12 „
3	34.484	20.88	82.1	22.64	83.4	.0523	.4620	16.59.3	B	7 12 „
4	35.513	20.46	82·0	22·69	83.1	·0455	.4625	17·00.3	B	8 12 „
5	35.993	20·08	81.7	22.59	83·0	.0392	.4614	17.00.7	G	9 12 „
6	35.513	20.37	81·5	22.58	82.8	.0439	.4613	17.00.1	G	10 12 „
7	35.032	20.61	81.2	22.57	82·4	.0479	.4612	16.59.5	C	11 12 „
8	35.101	20·71	81.0	22.57	82.2	.0496	·4612	16.59.2	C	Midnight.
9	35.375	20.73	81.0	22.54	81·9	.0499	.4609	16.59.1	B	1 12 a.m.
10	34·837	21.00	80.7	22.53	81.6	.0543	.4608	16.58.6	B	2 12 „
11	35·307	20·95	80.5	22.50	81.5	.0535	.4605	16.58.5	B	3 12 „
12	35.718	20.97	80.4	22.52	81.4	.0538	.4607	16.58.6	B	4 12 „
13	35·307	20·94	80.2	22.54	81.2	.0534	.4609	16.58.7	G	5 12 „
14	35.170	21.41	80.0	22.53	81.1	.0611	·4608	16.57.7	G	6 12 „
15	36.473	20.93	80.7	22.53	81.0	.0532	.4608	16.58.7	G	7 12 „
16	36·542	20.90	81.4	22.52	81.3	.0527	.4607	16.58.7	G	8 12 „
17	35.581	21.30	82.5	22.52	82.2	.0592	.4607	16.57.9	C	9 12 „
18	35.032	21.25	83.3	22.52	83.0	.0585	.4607	16.57.9	C	10 12 „
19	33.043	21·53	83.9	22.57	83.4	.0630	.4612	16.57.5	C	11 12 „
20	32.357	21.47	84.3	22.61	83.9	.0620	.4617	16.57.8	C	Noon.
21	32·220	21.44	84.6	22.53	84.3	.0616	.4608	16.57.5	B	1 12 p.m.
22	33.249	21.41	85.0	22.63	84.9	·0611	.4619	16.58.1	B	2 12 „
23	34·003	21.21	84.6	22.56	85.3	.0579	.4611	16.58.2	B	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 28TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Sept. 25th-Noon.	34'552	21.02	84°5	22.54	85°4	8.0546	2.4609	16°58'4	B	4 12 p. m.
1	34·415	21.13	83.8	22.45	85.0	.0564	.4599	16.57.9	G	5 12 „
2	34.484	20.94	83.0	22.50	84.0	.0534	.4605	16.58.6	G	6 12 „
3	34.758	20.59	82.8	22.51	83.5	.0476	.4606	16.59.4	G	7 12 „
4	36.130	20.63	82.8	22.51	83.5	.0482	.4606	16.59.4	G	8 12 „
5	35.375	20.67	82.4	22.46	83.4	.0488	.4600	16.58.9	C	9 12 „
6	35.101	20.49	82.1	22.46	83.2	.0460	·4600	16.59.3	C	10 12 „
7	34.964	20.89	82.0	22.47	83.0	.0525	.4601	16.58.4	C	11 12 „
8	35.170	20.90	81.9	22·49	83.0	.0527	.4603	16.58.5	C	Midnight.
9	35.238	20.87	81.6	22.53	82.6	.0521	.4608	16.58.8	B	1 12 a.m.
10	35.238	21.02	81.5	22.58	82.6	.0546	.4613	16·58.6	B	2 12 „
11	35.032	21.04	81.5	22.57	82.3	.0550	.4612	16.58.5	B	3 12 „
12	35.101	21.09	81.2	22.52	82.0	.0558	.4607	16.58.3	B	4 12 „
13	35.787	21.05	81.1	22.54	81.9	.0551	.4609	16.58.4	G	5 12 „
14	35.993	20.98	81.0	22.56	81.9	.0540	.4611	16.58.7	G	6 12 „
15	36.816	21.00	81.4	22.56	82.0	.0543	.4611	16.58.7	G	7 12 „
16	36.610	21.18	82.0	22.57	82.2	.0572	.4612	16.58.3	G	8 12 „
17	35.718	21.37	83.1	22.61	82.9	.0603	.4617	16.58.2	C	9 12 „
18	35.101	21.63	84.0	22.64	83.6	.0646	.4620	16.57.6	C	10 12 „
19	33·935	21.76	84.7	22·62	84.1	.0668	.4618	16.57.3	C	11 12 „
20	32.631	21.86	84.9	22.64	84.6	.0684	.4620	16.57.1	C	Noon.
21	32.494	21.85	85°2	22.58	84.8	.0682	.4613	16.56.9	B	1 12 p. m.
22	33.112	21.64	85.2	22.56	85·4	.0648	.4611	16.57.2	B	2 12 „
23	34.415	21.56	85.1	22.57	85.5	.0635	.4612	16.57.4	B	3 12 „
Sept. 27th-Noon.	34.346	20.78	84.0	22.53	85.1	.0507	.4608	16.59.0	C	4 12 „
1	34.621	21.02	83.7	22.45	85.0	.0546	.4599	16.58.2	C	5 12 „
2	34.837	21.09	83.0	22.51	84.2	.0558	.4606	16.58.3	G	6 12 „
3	34.346	21.19	82.8	22.48	84.0	.0574	.4602	16.57.9	G	7 12 „
4	34.209	21.17	82.5	22.41	83.5	.0570	.4595	16.57.7	G	8 12 „
5	34.415	21.17	82.5	22.44	83.4	.0570	.4598	16.57.8	C	9 12 „
6	34.415	21.24	82.4	22.49	83.2	.0584	.4603	16.57.9	C	10 12 „
7	35.101	21.23	82.4	22.53	83·1	.0582	.4608	16.58.1	C	11 12 „
8	34.689	21.60	82.3	22.53	83.1	.0641	.4608	16.57.3	C	Midnight.
9	34.837	21.41	82.3	22.43	82.8	.0611	.4597	16.57.3	B	1 12 a. m.
10	35·307	21.33	82.1	22.43	82.6	·0597	.4597	16.57.4	B	2 12 „
11	35.650	21·42	82.0	22.43	82.5	.0612	.4597	16.57·3	B	3 12 „
12	35.101	21.36	81.7	22.48	82.5	.0602	.4602	16.57.5	B	4 12 „
13	35·375	21.27	81.5	22.51	82.3	.0588	.4606	16.57.8	G	5 12 „
14	35.444	21.03	81.0	22.56	82.0	.0548	.4611	16.58.5	G	6 12 „
15	36.199	21.07	81.2	22.58	82.0	.0555	.4613	16·58.6	G	7 12 „
16	35·993	20.84	82.1	22.58	82.5	.0517	.4613	16.59.0	G	8 12 „
17	35.513	21.24	82.2	22.57	82.5	.0583	·4612	16·58.2	C	9 12 „
18	34.895	21.62	83.3	22.53	83.2	.0644	·4608	16·57.3	C	10 12 „
19	33.455	21.88	84.1	22.50	83.9	.0687	·4605	16.56.6	C	11 12 „
20	33.112	21·93	84.3	22.47	84.2	.0696	.4601	16.56.3	C	Noon.
21	32.494	21.87	84.5	22.48	84.4	.0686	.4602	16.56.5	B	1 12 p. m.
22	32·906	21.86	84·6	22.49	84·6	.0684	.4603	16.56.5	B	2 12 „
23	33.455	21.59	84.5	22.51	85.2	.0640	.4006	16.57.2	B	3 12 „
Sept. 28th-Noon.	34.346	21.42	84.5	22.46	85.4	.0612	.4600	16.57.4	B	4 12 „
1	34.278	21.34	84.0	22.46	85.2	.0599	.4600	16.57.5	G	5 12 „
2	34.072	21.16	83.1	22.49	85.0	.0569	.4603	16.58.0	G	6 12 „
3	33.935	21.15	82.8	22.43	84.2	.0567	.4597	16.57.8	G	7 12 „
4	34.141	21.14	82·5	22.37	83.5	.0566	.4590	16.57.5	G	8 12 „
5	34·141	21.21	82.3	22.43	83.5	.0578	.4597	16.57.7	C	9 12 „
6	34.484	21.19	82.1	22.43	83.2	.0574	.4597	16.57.7	C	10 12 „
7	34.689	21.23	82.0	22.42	83.0	.0582	.4596	16.57.4	C	11 12 „
8	35.101	21.24	81.8	22.45	83.0	.0583	.4599	16.57.7	C	Midnight.
9	35.101	21·22	81.5	22.43	82.6	.0579	.4597	16.57.7	B	1 12 a.m.
10	35.375	21.31	81.5	22.47	82.3	.0594	.4601	16.57.6	B	2 12 „
11	35.238	21.43	81.3	22.47	82.3	.0614	.4601	16.57.3	B	3 12 „

DAILY OBSERVATIONS, FROM 28TH TO 30TH SEPTEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Sept. 28th—12	35·032	21.42	81·2	22.46	82·1	8.0612	2.4600	16°57′4	B	4 12 a. m.
13	35.375	21.35	81·1	22.40	82.0	.0600	.4594	16.57.2	G	5 12 „
14	36.199	21.23	81·0	22.36	82·0	.0581	.4589	16.57.4	G	6 12 „
15	36.610	21.08	81.0	22.43	81·8	.0556	.4597	16.58.0	G	7 12 „
16	36.610	21.38	81.7	22.46	82.1	.0605	.4600	16.57.4	G	8 12 „
17	36.061	21.69	82.1	22.48	82.6	.0656	.4602	16.56.9	C	9 12 „
18	34.837	22.09	82.9	22.48	83.0	.0722	.4602	16.56.0	C	10 12 „
19	32·906	22.15	83.2	22.48	83.5	.0731	.4602	16.55.9	C	11 12 „
20	32.288	22.17	83.9	22.49	83·9	.0735	.4603	17.55.9	C	Noon.
21	32.631	22.00	84.2	22.47	84.1	.0707	.4601	16 56.1	B	1 12 p. m.
22	33.386	21.73	84.4	22.44	84.5	.0663	.4598	16.56 6	B	2 12 „
23	34.003	21·50	84.5	22·45	84.9	.0625	.4599	16.57.2	B	3 12 „
Sept. 29th—Noon.	34·278	21.23	84.4	22.46	85.4	.0581	.4600	16.57.8	B	4 12 „
1	34.141	21.13	83.8	22.40	85.0	.0564	.4594	16.57.7	G	5 12 „
2	33.798	21.15	83.0	22.44	84.9	.0567	.4598	16.57.8	G	6 12 „
3	33.798	21.11	82.8	22.32	84.0	.0561	.4585	16.57.4	G	7 12 „
4	34.141	21.30	82·5	22.31	83.5	.0592	.4584	16.56.9	G	8 12 „
5	34.278	21.27	82.1	22.28	83.3	.0588	.4580	16.56.8	C	9 12 „
6	34.072	21.33	81.9	22.25	83.1	.0597	.4577	16.56.6	C	10 12 „
7	34.278	21.30	81.7	22.26	82.9	.0592	.4578	16.56.7	C	11 12 „
8	34.484	21.30	81.6	22.29	82.6	.0592	.4581	16.56.8	C	Midnight.
9	34.837	21.27	81.5	22.32	82·3	.0588	.4585	16.57.0	B	1 12 a. m.
10	34.689	21.42	81.5	22.37	82.3	.0612	.4590	16.57.0	B	2 12 „
11	34.552	21.42	81.2	22.36	82.1	.0612	.4589	16.56.9	B	3 12 „
12	34.552	21.45	81.1	22.36	82.0	.0617	.4589	16.56.7	B	4 12 „
13	34.895	21.31	80.8	22.33	81.8	.0594	.4586	16.57.0	G	5 12 „
14	35.170	21.24	80.5	22.35	81.5	.0583	.4588	16.57.3	G	6 12 „
15	35.856	21.38	81.0	22.40	81.5	.0605	.4594	16.57.1	G	7 12 „
16	35.993	21.59	82.2	22.37	82.2	.0640	.4590	16.56 6	G	8 12 „
17	34.964	21.84	83.0	22.37	82.9	.0681	.4590	16.56.1	C	9 12 „
18	33.866	22.01	83.3	22.35	83.2	.0709	.4588	16.55.6	C	10 12 „
19	31.524	22.23	84.0	22.33	83.5	.0745	.4586	16.54.9	C	11 12 „
20	30.779	22.24	84.5	22.31	84.1	.0747	.4584	16.54.8	C	Noon.
21	31.122	22.06	84.7	22.24	84.5	.0717	.4576	16.54.9	B	1 12 p. m.
22	32.220	22.02	85.2	22.40	85.0	.0710	.4594	16.55.8	B	2 12 „
23	33·660	21.74	85.2	22.44	85.3	.0665	.4598	16.56.6	B	3 12 „
Sept. 30th—Noon.	34.689	21.64	84.9	22.37	85.5	.0648	.4590	16.56.4	B	4 12 „
1	34.689	21.51	84 5	22.33	85.0	.0627	.4586	16.56.5	G	5 12 „
2	34.758	21.29	83.8	22.24	84.8	.0591	.4576	16.56.6	G	6 12 „
3	34.758	21.29	83.3	22.13	84.2	.0591	.4564	16.56.1	G	7 12 „
4	34.689	21.41	83.0	22.22	84.0	.0611	.4574	16.56.3	G	8 12 „
5	34.552	21.22	82.8	22.21	83.9	.0579	.4573	16.56.7	C	9 12 „
6	34.278	21.38	82.5	22.17	83.5	.0605	.4568	16.56.1	C	10 12 „
7	34.758	21.22	82.3	22.18	83.3	.0579	.4569	16.56.4	C	11 12 „
8	34.758	21.52	82.1	22.21	83.2	.0628	.4573	16.56.0	C	Midnight.
9	34.689	21.51	81.6	22.30	83.2	.0627	.4583	16.56.4	B	1 12 a. m.
10	34.895	21.59	81.6	22.23	82.7	.0640	.4575	16.56.0	B	2 12 „
11	34.837	21.44	81.6	22.23	82.5	.0616	.4575	16.56.2	B	3 12 „
12	34.837	21.47	81.5	22.28	82.5	.0621	.4580	16.56.4	B	4 12 „
13	34.837	21.43	81.2	22.32	82.3	.0614	.4585	16.56.8	G	5 12 „
14	34.837	21.40	81.0	22.35	82.0	.0609	.4588	16.56.9	G	6 12 „
15	35.050	21.27	81.5	22.33	82·2	.0583	.4586	16.57.0	G	7 12 „
16	35.856	21.60	82.7	22.38	82.6	.0641	.4591	16.56.6	G	8 12 „
17	34.895	21.99	83.5	22.34	83.0	.0706	.4587	16.55.6	C	9 12 „
18	34.141	22.31	84.2	22.33	83.5	.0758	.4586	16.54.8	C	10 12 „
19	32.837	22.55	84.5	22.28	83.9	.0797	.4580	16.54.5	C	11 12 „
20	32.494	22.32	84.5	22.27	84.1	.0759	.4579	16.54.5	C	Noon.
21	32.083	22.22	84 9	22.39	84.8	.0743	.4592	16.55.3	B	1 12 p. m.
22	32.837	22.02	85.0	22.42	85.2	.0710	.4596	16.55.9	B	2 12 „
23	34.003	21.83	85.2	22.36	85 7	.0679	.4589	16.56.2	B	3 12 „

DAILY OBSERVATIONS, FROM 1ST TO 4TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 1st-Noon.	35·101	21.76	85·0	22.27	85·7	8.0668	2.4579	16°55·7	C	4 12 p. m.
1	34.837	21.55	84.0	22.31	85.2	.0633	.4584	16.56.4	B	5 12 „
2	34.209	21·36	83.1	22.26	84 5	.0602	.4578	16.56.6	B	6 12 „
3	34·278	21.35	82.8	22.27	84.0	.0600	.4579	16.56.6	B	7 12 „
4	34.346	21.21	82.5	22.16	83.6	.0579	.4567	16.56.5	B	8 12 „
5	34.346	21.16	82.3	22.19	83.5	.0569	.4570	16.56.7	G	9 12 „
6	34.346	21.27	82.0	22.09	83.0	.0588	.4559	16.56.0	G	10 12 „
7	34.621	21.64	81.9	22.17	82.9	.0648	.4568	16.55.5	G	11 12 „
8	35.238	21.43	81.9	22.18	82.5	.0614	.4569	16.56.1	G	Midnight.
9	34.758	21.44	81.6	22.19	82.3	.0616	.4570	16.56.0	C	1 12 a. m.
10	34.837	21.41	81.5	22.20	82.2	.0611	.4572	16.56.2	C	2 12 „
11	34·552	21.45	81.4	22.20	82·2	.0617	.4572	16.56.0	C	3 12 „
12	34.484	21·46	81.3	22.18	82.2	.0619	.4569	16.55.9	C	4 12 „
13	34.837	21.48	81.3	22.16	82.1	·0622	.4567	16·55.9	B	5 12 „
14	35.238	21·50	81.5	22.31	82.0	.0625	.4584	16.56.4	B	6 12 „
15	36.130	21.32	81.5	22.26	82.0	.0595	.4578	16.56.6	B	7 12 „
16	36·061	21·50	82·4	22.27	82.4	.0625	.4579	16.56·2	B	8 12 „
17	35.924	21.96	83.4	22.31	83·0	.0701	·4584	16.55.5	G	9 12 „
18	34·689	22.11	84.0	22.29	83.8	.0725	.4581	16.55.0	G	10 12 „
19	33.043	22.41	84.8	22.22	84.0	.0775	.4574	16.54.1	G	11 12 „
20	31.671	22.40	85.0	22.24	84.5	.0773	.4576	16.54·3	G	Noon.
21	31.671	22·35	85.3	22.26	85.3	.0749	.4578	16.54.5	C	1 12 p. m.
22	32.837	22.23	85.5	22.28	85.9	.0746	.4580	16.54.7	C	2 12 „
23	33.592	22.13	85.7	22·27	86.2	.0728	.4579	16.54.9	C	3 12 „
Oct. 2nd-Noon.	34.209	21.92	85.5	22.23	86.2	.0694	.4575	16.55.2	C	4 12 „
1	34.141	21.68	84.8	22·22	85·5	·0654	.4574	16.55.7	B	5 12 „
2	34.346	21.37	84.0	22.20	85.0	.0603	.4572	16.56.3	B	6 12 „
3	33·935	21.28	83.7	22.18	84·6	.0590	.4569	16.56.3	B	7 12 „
4	34·141	21.38	83.5	22.23	84.3	.0605	.4575	16.56.4	B	8 12 „
5	34.141	21.24	83.0	22.24	84.1	.0584	.4576	16.56.8	G	9 12 „
6	34.209	21.36	83.0	22.12	84.0	.0602	.4563	16.56.0	G	10 12 „
7	34.415	21.44	82.8	22.11	83.8	.0616	.4562	16.55.6	G	11 12 „
8	34.552	21·45	82.8	22.13	83.5	.0617	.4564	16·55.7	G	Midnight
9	34.552	21.43	82.5	22.16	83·5	.0614	.4567	16.56.1	C	1 12 a. m.
10	34.552	21·45	82.2	22.15	83.4	.0617	.4566	16.55.8	C	2 12 „
11	34.484	21.46	82.0	22·16	83.2	.0619	.4567	16.55.9	C	3 12 „
12	34.484	21.43	81.9	22·17	83.0	.0614	.4568	16.56.1	C	4 12 „
13	34.837	21.39	82.0	22.21	82.9	.0607	.4573	16.56.3	B	5 12 „
14	34.964	21·46	82.0	22.28	82.7	.0619	.4580	16·56.4	B	6 12 „
15	36.267	21.45	82.5	22.28	82.8	.0617	.4580	16.56.4	B	7 12 „
16	36.610	21.64	83.1	22.24	83.0	.0648	.4576	16.55.8	B	8 12 „
17	36.199	22.01	84.0	22.31	83.5	.0709	·4584	16.55.4	G	9 12 „
18	34.621	22·26	84.2	22.28	84.0	.0751	.4580	16.54.7	G	10 12 „
19	33.455	22.45	85.0	22.24	84·5	.0781	.4576	16.54.2	G	11 12 „
20	33.180	22.31	85.1	22.25	85.0	.0758	.4577	16.54.5	G	Noon.
21	33.317	22.12	85·4	18.18	85.9	.0726	.4569	16.54.5	C	1 12 p. m.
22	33·935	22.01	86.0	18.19	86.3	.0709	.4570	16.54.9	C	2 12 „
23	34.415	21.87	86·3	18·13	87.0	.0685	.4564	16.54.8	C	3 12 „
Oct. 4th-Noon.	34.346	21.79	86.5	17.53	87.5	.0673	.4498	16.52.6	B	4 12 „
1	34.072	21.61	85.9	17.57	87.2	.0643	.4502	16.53.1	B	5 12 „
2	34.141	21.53	85.1	17.69	86.2	.0630	.4515	16.53.8	B	6 12 „
3	34.141	21·34	84.6	17.68	86.0	·0599	.4514	16.54.1	B	7 12 „
4	34.141	21.53	84·6	17.57	85.8	.0630	.4502	16.53.2	B	8 12 „
5	34.415	21.57	84.5	17.52	85.4	.0636	.4497	16.53.4	G	9 12 „
6	34.415	21·57	84.0	17.55	85.0	.0636	.4500	16.53.1	G	10 12 „
7	34.552	21.72	83.7	17.58	84.8	.0661	.4503	16.52.9	G	11 12 „
8	34.552	21.70	83.6	17.64	84.5	.0658	.4510	16.53.2	G	Midnight.
9	34.552	21.66	83.5	17.63	84.4	.0656	.4509	16.53.2	C	1 12 a. m.
10	34.552	21.73	83.1	17.58	84.1	·0663	.4503	16.52.9	C	2 12 „
11	34.415	21.84	83.0	17.60	83.9	.0681	.4506	16.52.8	C	3 12 „

DAILY OBSERVATIONS, FROM 4TH TO 6TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 4th—12	34·415	21.70	82·8	17.60	83·6	8.0658	2.4506	16°53'0	C	4 12 a. m.
13	34.552	21.80	82.8	17·85	83.4	·0674	.4533	16.54.0	B	5 12 „
14	34.837	21.80	82·8	17.75	83.3	.0674	.4522	16.53.5	B	6 12 „
15	35·993	21.87	83.2	17.79	83.5	.0685	.4526	16.53.5	B	7 12 „
16	36·336	22·27	84.0	17.75	83.6	.0752	.4522	16.52.4	B	8 12 „
17	35 513	22·51	84.8	17.63	84·2	.0791	.4509	16.51.4	G	9 12 „
18	34.552	22.83	85.5	17.63	85·0	.0843	.4509	16.51.2	G	10 12 „
19	34.278	22.86	85.8	17.51	85.1	.0848	.4496	16·50.5	G	11 12 „
20	33·386	22.77	86.0	17.37	85.7	.0833	.4480	16.50.2	G	Noon.
21	32.906	22.61	86.4	17.38	86·4	.0807	.4481	16.50.5	C	1 12 p. m.
22	33.729	22.38	86.7	17.39	86.9	.0769	.4482	16.50.6	C	2 12 „
23	34.278	22.27	86.9	17.37	87.4	.0752	.4480	16·50.8	C	3 12 „
Oct. 5th-Noon.	34.484	22.07	86.9	17.32	87.7	.0718	.4475	16.51.0	C	4 12 „
1	34.278	21.73	86.2	17.35	87.5	.0663	.4478	16.51.9	B	5 12 „
2	34.346	21.49	85.2	17.40	86.8	.0624	.4484	16.52.6	B	6 12 „
3	34.278	21.52	85.1	17.41	86.2	.0628	.4485	16.52.6	B	7 12 „
4	34.346	21.50	84.7	17.40	85.9	.0625	.4484	16.52.5	B	8 12 „
5	34.415	21.56	84.5	17.42	85·4	.0635	.4486	16.52.5	G	9 12 „
6	34.415	21.49	84.4	17.43	85.0	.0624	·4487	16.52.8	G	10 12 „
7	34.837	21·42	83.7	17·48	84.5	.0612	.4492	16.53.1	G	11 12 „
8	34.895	21·37	83.7	17.51	84·3	.0603	.4496	16.53.4	G	Midnight.
9	34.484	21.76	83·5	17.38	84.2	.0668	.4481	16.51.9	C	1 12 a.m.
10	34.484	21.78	83.3	17.37	84.1	.0671	.4480	16.51·9	C	2 12 „
11	34.985	21.63	83.2	17.41	83·9	.0646	.4485	16.52.3	C	3 12 „
12	35.032	21.59	83.0	17.49	83.8	.0640	.4493	16.52.8	C	4 12 „
13	34.621	21.70	82.5	17.58	83.2	.0658	.4503	16.52.9	B	5 12 „
14	34.964	21.67	82.6	17.60	83.2	·0652	.4506	16.53.0	B	6 12 „
15	35.787	21.70	83.1	17·60	83.2	.0658	.4506	16.53.0	B	7 12 „
16	36.336	22.06	84.2	17.62	84.0	.0717	.4508	16·52.3	B	8 12 „
17	36·199	22.18	84.5	17.54	84.1	.0736	.4499	16.51.7	G	9 12 „
18	35.238	22.45	85·0	17.54	84.8	.0781	.4499	16.51.2	G	10 12 „
19	33.729	22.76	86.4	17.40	85.3	.0832	.4484	16.50.3	G	11 12 „
20	32.563	22.64	86.7	17.36	86.0	.0812	.4479	16.50.4	G	Noon.
21	32.220	22.42	86.8	17.31	86·5	.0776	.4474	16.50.1	C	1 12 p. m.
22	32.974	22.29	87.0	17.30	87.1	.0756	.4473	16.50.4	C	2 12 „
23	33.798	22.10	87·1	17·30	87.5	.0723	.4473	16.50.9	C	3 12 „
Oct. 6th-Noon.	34.072	22.08	87.1	17.25	87.7	.0720	.4467	16.50.7	C	4 12 „
1	34.346	21·92	86.2	17.22	87.4	.0694	.4464	16.50.9	B	5 12 „
2	34.415	21.84	85.5	17.25	86.6	.0681	.4467	16.51.2	B	6 12 „
3	34·415	21.62	85.1	17.29	86.3	.0644	.4471	16·51.9	B	7 12 „
4	34 552	21.58	84.6	17.27	85.7	.0638	.4469	16.51.8	B	8 12 „
5	34.964	21·66	84.5	17.28	85.3	.0651	.4470	16.51.7	G	9 12 „
6	34.209	21.66	84.2	17.29	85.0	.0651	.4471	16.51.7	G	10 12 „
7	34.484	21.72	84.0	17.35	84.9	.0661	.4478	16.51.9	G	11 12 „
8	34.484	21.77	84.0	17.34	84.5	.0669	.4477	16.51.8	G	Midnight.
9	34.552	21.78	83.7	17.32	84.4	.0671	.4475	16.51.7	C	1 12 a. m.
10	34.552	21.69	83.5	17.32	84.4	.0656	.4475	16.51.8	C	2 12 „
11	34·415	21.81	83.4	17.32	84.3	.0676	.4475	16.51.6	C	3 12 „
12	34·415	21.80	83.4	17.34	84.3	.0674	.4477	16.51.8	C	4 12 „
13	34.209	21·86	83.4	17.40	84.0	.0684	.4484	16.51·9	B	5 12 „
14	34.552	21.87	83.4	17.46	83·9	.0685	.4490	16.52.0	B	6 12 „
15	35.170	22.05	83.5	17.47	84.0	.0715	.4491	16.51.6	B	7 12 „
16	35.993	22.26	83.4	17.43	84·4	.0751	.4487	16.51.1	B	8 12 „
17	35.924	22.67	84.2	17.45	85.1	.0816	.4489	16.50.3	G	9 12 „
18	35.101	23.13	86.0	17.28	85.2	.0892	.4470	16.48.6	G	10 12 „
19	33.386	23.28	86.7	17.18	86.0	.0918	.4459	16.47·9	G	11 12 „
20	33.043	23.03	86.7	17.18	86.1	·0876	.4459	16.48·4	G	Noon.
21	33.043	22.68	86.7	17.20	86.5	.0818	.4462	16.49.2	C	1 12 p. m.
22	34.072	22.32	87.0	17.21	86·9	.0759	.4463	16.50.0	C	2 12 „
23	34·837	22.06	87.1	17.21	87.5	.0717	.4463	16.50.5	C	3 12 „

DAILY OBSERVATIONS, FROM 7TH TO 9TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 7th-Noon.	35·238	21.82	86°6	17.19	87°5	8.0677	2.4460	16°51·0	C	4 12 p. m.
1	34.689	21.73	85.9	17.18	87.5	.0663	.4459	16.51.2	B	5 12 „
2	34.141	21.70	85.3	17.18	86.5	.0658	.4459	16.51.2	B	6 12 „
3	34.552	21.59	85.2	17.13	86.1	.0640	.4454	16.51.3	B	7 12 „
4	35.238	21.10	84.7	17.17	85.8	.0559	.4458	16.52.5	B	8 12 „
5	35.787	20.81	84.5	17.19	85.5	.0512	.4460	16.53.2	G	9 12 „
6	35.513	20.97	84.2	17.16	85.2	.0538	.4457	16.52.8	G	10 12 „
7	35.238	21.02	84.0	17.15	85.0	.0546	.4456	16.52.5	G	11 12 „
8	34.552	21.22	84.0	17.14	84.8	.0580	.4455	16.52.2	G	Midnight.
9	35.238	21.21	83.8	17.19	84.6	.0579	.4460	16.52.3	C	1 12 a. m.
10	34.621	21.22	83.7	17.21	84.4	.0580	.4463	16.52.4	C	2 12 „
11	34.837	21.41	83.6	17.23	84.3	.0611	.4465	16.52.1	C	3 12 „
12	34.837	21.40	83.5	17.26	84.2	.0609	.4468	16.52.2	C	4 12 „
13	34.621	21.41	83.4	17.17	84.1	.0611	.4458	16.51.9	B	5 12 „
14	34.837	21.41	83.1	17.31	83.7	.0611	.4474	16.52.4	B	6 12 „
15	35.993	21.50	83.4	17.41	83.6	.0625	.4485	16.52.6	B	7 12 „
16	36.336	22.00	84.0	17.42	84.0	.0707	.4486	16.51.6	B	8 12 „
17	36.473	22.39	85.0	17.44	84.6	.0771	.4488	16.50.9	G	9 12 „
18	35.787	22.39	85.8	17.27	85.0	.0771	.4469	16.50.1	G	10 12 „
19	33.455	21.93	86·0	17.17	85.5	.0696	.4458	16.50.7	G	11 12 „
20	32.083	21.43	86.3	17.18	86.0	.0614	.4459	16.51.9	G	Noon.
21	33.043	21.36	86.9	17.21	86.9	.0602	.4463	16.52.1	C	1 12 p. m.
22	35.032	20.06	87.3	17.22	87.3	.0389	.4464	16.54.8	C	2 12 „
23	35.238	18.64	87.3	17.13	87.9	·0156	.4454	16.57.5	C	3 12 „
Oct. 8th-Noon.	35.375	18.57	87.2	17·03	88.0	.0144	.4443	16.57.4	C	4 12 „
1	34.621	18.99	86.4	16.93	87.7	.0214	.4432	16.56.0	B	5 12 „
2	36.610	18.82	85.6	16.96	87.1	.0185	.4435	16.56.4	B	6 12 „
3	36.951	18.99	85.2	16.95	86.6	.0214	.4434	16.56.1	B	7 12 „
4	36.679	19.26	84.9	16.99	86.2	.0259	.4438	16.55.6	B	8 12 „
5	37.502	19.01	84.8	17·07	85.8	.0217	.4447	16.56.5	G	9 12 „
6	37.228	19.69	84.4	17.07	85.5	.0329	.4447	16.55.1	G	10 12 „
7	36.473	20·37	84.0	17.05	85.0	.0439	.4445	16.53.6	G	11 12 „
8	36.199	20.00	83.9	16.82	84.8	.0379	.4420	16.53.4	G	Midnight.
9	35.170	20.93	83.6	16.85	84.7	.0532	.4423	16 51.5	C	1 12 a. m.
10	34.964	20.99	83.4	16.93	84.6	.0542	.4432	16.51.7	C	2 12 „
11	34.837	20.57	83.3	17.01	84.5	.0472	.4441	16.53.0	C	3 12 „
12	33.386	21.16	83.1	17.02	84.1	.0569	.4442	16.51.7	C	4 12 „
13	34.141	20.86	83.1	17.03	83.6	.0520	.4443	16.52.4	B	5 12 „
14	34.141	20.63	82.9	17.10	83.4	.0482	.4451	16.53.3	B	6 12 „
15	35.718	20·87	83.3	17·16	83.6	.0521	.4457	16.53.0	B	7 12 „
16	36.267	20.46	84.1	17.14	84.0	.0450	.4455	16.53.7	B	8 12 „
17	36.336	20.57	85.0	17.05	85.0	.0472	.4445	16.53.2	G	9 12 „
18	35.375	20.95	85.7	16.97	85.1	.0535	.4436	16.51.9	G	10 12 „
19	34.964	20.82	86.3	17.03	85.8	.0513	.4443	16.52.6	G	11 12 „
20	34.415	20.84	86.5	16.88	86.1	.0517	.4426	16.51.7	G	Noon.
21	34.003	20·72	86.5	16.87	86.6	.0497	.4425	16.52.0	C	1 12 p. m.
22	34.072	20.80	86.7	16.84	87.2	·0510	.4422	16.51.7	C	2 12 „
23	35.444	20.37	86.9	16.82	87.4	.0439	.4420	16.52.6	C	3 12 „
Oct. 9th-Noon.	36.199	20·60	86.5	16.76	87.5	.0477	.4413	16.51.8	C	4 12 „
1	34.689	20.79	85.9	16.77	87.3	.0509	.4414	16.51.4	B	5 12 „
2	35.444	20.81	85.3	16.75	86.6	.0512	.4412	16.51.3	B	6 12 „
3	36.061	20.81	85.0	16.77	86.2	.0512	.4414	16.51.4	B	7 12 „
4	36.130	20.63	84.9	16.78	86.0	.0482	.4415	16.51.9	B	8 12 „
5	35.924	20.67	84.5	16.75	85.8	.0488	.4412	16.51.5	G	9 12 „
6	34.895	21·13	84 4	16.70	85.4	.0564	.4407	16.50.5	G	10 12 „
7	36.199	20·87	84·0	16.85	85.0	.0521	.4423	16.51.6	G	11 12 „
8	35.375	21.09	83·5	16.84	84.7	.0558	.4422	16.51.0	G	Midnight.
9	35.032	21.08	83.4	16.83	84.5	.0555	.4421	16.51.0	C	1 12 a. m.
10	34.209	21.13	83.3	16.84	84.3	.0564	.4422	16.51.0	C	2 12 „
11	34.552	21.11	83.1	16.89	84.1	.0561	.4427	16.51.3	C	3 12 „

DAILY OBSERVATIONS, FROM 9TH TO 12TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 9th—12	33°935	20.99	83°0	16.97	83°9	3.0542	2.4436	16°51'9	C	4 12 a. m.
13	34.141	21.14	83.0	16.99	83.5	.0566	.4438	16.51.6	B	5 12 „
14	35.513	21.11	82.6	17.02	83.3	.0561	.4442	16.51.8	B	6 12 „
15	36.865	21.26	82.9	17.10	83.4	.0587	.4451	16.51.8	B	7 12 „
16	37.228	21.23	83.5	17.06	83.6	.0582	.4446	16.51.8	B	8 12 „
17	36.865	21.66	84.5	17.02	84.1	.0651	.4442	16.50.6	G	9 12 „
18	36.130	21.60	85.3	16.96	84.5	.0641	.4435	16.50.6	G	10 12 „
19	34.415	22.13	86.2	16.78	85.4	.0728	.4415	16.48.6	G	11 12 „
20	32.906	22.11	86.7	16.68	86.0	.0725	.4404	16.48.1	G	Noon.
21	32.769	21.91	86.7	16.80	86.5	.0693	.4418	16.49.2	C	1 12 p. m.
22	34.141	21.65	87.0	16.82	87.1	.0649	.4420	16.49.8	C	2 12 „
23	34.964	21.60	87.2	16.87	67.5	.0641	.4425	16.50.2	C	3 12 „
Oct. 11th-Noon.	35.032	20.74	87.8	16.48	88.5	.0501	.4382	16.50.2	B	4 12 „
1	34.837	20.88	87.0	16.44	88.0	.0523	.4378	16.49.8	B	5 12 „
2	35.307	20.86	86.2	16.43	87.1	.0520	.4377	16.49.8	B	6 12 „
3	35.513	20.64	85.6	16.50	86.6	.0484	.4385	16.50.7	B	7 12 „
4	35.513	20.64	85.3	16.54	86.3	.0484	.4389	16.50.8	B	8 12 „
5	35.581	20.63	85.0	16.58	86.0	.0482	.4393	16.51.0	G	9 12 „
6	35.581	20.80	84.7	16.63	85.8	.0510	.4399	16.50.8	G	10 12 „
7	35.375	20.68	84.5	16.67	85.5	.0490	.4403	16.51.2	G	11 12 „
8	35.238	21.29	84.3	16.66	85.2	.0591	.4402	16.49.8	G	Midnight.
9	35.032	21.32	84.3	16.64	85.2	.0595	.4400	16.49.7	C	1 12 a. m.
10	34.689	21.36	84.2	16.63	85.1	.0602	.4399	16.49.7	C	2 12 „
11	34.895	21.11	83.8	16.68	84.9	.0561	.4404	16.50.3	C	3 12 „
12	34.484	21.09	83.2	16.72	84.4	.0558	.4409	16.50.5	C	4 12 „
13	35.032	21.09	83.0	16.83	84.2	.0558	.4421	16.51.0	B	5 12 „
14	35.718	21.12	82.5	16.86	83.6	.0562	.4424	16.51.1	B	6 12 „
15	36.199	20.91	82.0	16.84	83.0	.0529	.4422	16.51.4	B	7 12 „
16	35.993	21.06	82.3	16.83	82.8	.0553	.4421	16.51.1	B	8 12 „
17	36.238	21.37	83.7	16.80	83.2	.0605	.4418	16.50.3	G	9 12 „
18	35.444	21.28	84.0	16.73	84.2	.0590	.4410	16.50.2	G	10 12 „
19	34.346	21.88	85.7	16.67	85.0	.0687	.4403	16.48.6	G	11 12 „
20	33.523	21.96	86.5	16.68	85.9	.0701	.4404	16.48.5	G	Noon.
21	33.798	21.73	87.0	16.68	86.5	.0663	.4405	16.49.1	C	1 12 p. m.
22	35.101	21.42	87.2	16.68	87.1	.0612	.4404	16.49.7	C	2 12 „
23	35.787	21.10	87.4	16.64	87.5	.0559	.4400	16.50.2	C	3 12 „
Oct. 12th-Noon.	34.484	21.19	86.9	16.61	87.5	.0574	.4397	16.50.0	C	4 12 „
1	34.552	21.09	86.0	16.51	87.0	.0558	.4386	16.49.6	B	5 12 „
2	35.032	21.12	85.2	16.50	86.5	.0562	.4385	16.49.6	B	6 12 „
3	35.513	20.77	84.8	16.73	86.0	.0505	.4410	16.51.3	B	7 12 „
4	35.513	20.62	84.5	16.72	85.5	.0480	.4409	16.51.6	B	8 12 „
5	35.238	20.82	84.3	16.66	85.3	.0513	.4402	16.50.9	G	9 12 „
6	35.101	20.91	84.0	16.65	85.0	.0529	.4401	16.50.6	G	10 12 „
7	35.101	21.32	84.0	16.64	84.8	.0595	.4400	16.49.7	G	11 12 „
8	34.837	21.23	83.8	16.68	84.5	.0582	.4404	16.50.1	G	Midnight.
9	34.837	21.28	83.5	16.74	84.5	.0590	.4411	16.50.2	C	1 12 a. m.
10	34.621	21.17	83.2	16.78	84.2	.0570	.4415	16.50.7	C	2 12 „
11	34.209	21.24	82.9	16.78	83.9	.0584	.4415	16.50.6	C	3 12 „
12	33.798	21.27	82.6	16.79	83.6	.0588	.4416	16.50.4	C	4 12 „
13	34.072	21.31	82.0	16.74	82.9	.0594	.4411	16.50.2	B	5 12 „
14	34.141	21.49	81.9	16.83	82.6	.0624	.4421	16.50.2	B	6 12 „
15	34.552	21.30	82.5	16.86	82.1	.0592	.4424	16.50.7	B	7 12 „
16	35.444	21.51	83.1	16.83	82.8	.0627	.4421	16.50.1	B	8 12 „
17	36.685	21.81	84.5	16.81	83.6	.0676	.4419	16.49.4	G	9 12 „
18	35.513	21.87	85.0	16.76	84.5	.0685	.4413	16.49.0	G	10 12 „
19	34.621	22.04	85.5	16.75	85.0	.0714	.4412	16.48.7	G	11 12 „
20	32.935	22.01	86.0	16.65	85.0	.0709	.4401	16.48.3	G	Noon.
21	34.837	21.68	86.4	16.79	85.9	.0654	.4416	16.49.6	C	1 12 p. m.
22	35.993	21.28	86.6	16.82	86.5	.0590	.4420	16.50.6	C	2 12 „
23	36.267	21.07	86.5	16.78	87.2	.0554	.4415	16.50.9	C	3 12 „

DAILY OBSERVATIONS, FROM 13TH TO 15TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 13th-Noon.	38·747	20.70	86·3	16.65	87·5	8.0494	2.4401	16°51′1	C	4 12 p.m.
1	35.924	20.31	85.4	16.46	87.0	·0430	.4380	16.51.1	B	5 12 „
2	35.307	20.59	85.2	16.49	86.4	.0476	.4383	16.50.6	B	6 12 „
3	34·837	20.77	85.1	16.52	85.8	.0505	.4387	16.50.4	B	7 12 „
4	34.895	20.79	84.8	16.52	85.5	.0509	.4387	16.50.4	B	8 12 „
5	34.689	20.95	84.6	16.56	85.3	.0535	.4391	16.50.1	G	9 12 „
6	35.101	20.74	84.4	16.56	85.3	.0501	.4391	16.50.6	G	10 12 „
7	35.101	20.96	84.0	16.59	85.0	.0537	.4394	16.50.2	G	11 12 „
8	35·375	21·21	84.0	16.65	85.0	.0579	·4401	16.50.0	G	Midnight.
9	35.787	20.96	84.0	16.65	84.9	.0537	.4401	16.50.5	C	1 12 a.m.
10	35.993	20.79	83.9	16.64	84.8	.0509	.4400	16.50.9	C	2 12 „
11	35.650	20.83	83.8	16.75	84.5	.0515	.4412	16.51.1	C	3 12 „
12	34.964	20.99	83.4	16.74	84.3	.0542	.4411	16.50.9	C	4 12 „
13	34.552	21.06	83.1	16.66	83.8	.0553	·4402	16.50.3	B	5 12 „
14	34.689	21.04	83.0	16.76	83.7	.0550	.4413	16.50.8	B	6 12 „
15	35.993	21·21	83.4	16.76	83.7	.0579	.4413	16.50.5	B	7 12 „
16	36.404	21.47	84.0	16.72	84.0	.0620	.4409	16.49.7	B	8 12 „
17	35.513	21.86	85.0	16.68	84·7	.0694	.4404	16.48.6	G	9 12 „
18	34.837	22.13	86.0	16.66	85·3	.0728	.4402	16.48.0	G	10 12 „
19	33.729	22.46	86.7	16.64	86·0	.0783	.4400	16.47.4	G	11 12 „
20	33.523	22.26	87.0	16.60	86.5	.0751	.4396	16.47.5	G	Noon.
21	33.866	22.13	87.5	16.55	87.2	.0728	.4390	16.47.6	C	1 12 p.m.
22	35.170	21.83	87.8	16.60	87.7	.0679	.4396	16.48.5	C	2 12 „
23	36.199	21.19	87.9	16.54	88.2	.0574	.4389	16.49.6	C	3 12 „
Oct. 14th-Noon.	35.444	21.44	87.8	16.45	88.3	.0616	.4379	16.48.5	C	4 12 „
1	34.837	21.27	87.0	16.39	88.0	.0588	.4372	16.48.6	B	5 12 „
2	34.415	21·10	86·2	16.37	87.4	.0559	.4370	16.49.0	B	6 12 „
3	34.484	20.83	83·5	16.42	85.5	.0515	.4376	16.49.7	B	7 12 „
4	34.837	21.06	83.2	16.44	84.6	.0553	.4378	16.49.4	B	8 12 „
5	34.484	21.08	83.2	16.47	84.3	.0556	.4381	16.49.4	G	9 12 „
6	35.170	20.94	83.0	16.56	83.9	.0534	.4391	16.50.2	G	10 12 „
7	34.141	21.59	83.0	16.52	83.9	.0640	.4387	16.48.7	G	11 12 „
8	35·032	21.14	83.0	16.62	83.9	.0566	.4398	16.50.0	G	Midnight.
9	35.375	20.96	83·0	16.61	83.6	.0537	.4397	16.50.4	C	1 12 a.m.
10	35.032	21·09	82.7	16.57	83.3	.0558	.4392	16.49.8	C	2 12 „
11	34.484	20.93	82.4	16.54	83.0	.0532	.4389	16.50.1	C	3 12 „
12	34.484	21.16	82.4	16.58	83.0	.0569	.4393	16.49.8	C	4 12 „
13	34.837	21.13	82.4	16.63	82.7	.0564	.4399	16.50.1	B	5 12 „
14	34.768	21.11	82.1	16.58	82.7	.0561	.4393	16.49.9	B	6 12 „
15	36.199	21.13	82.5	16.58	82.6	.0564	.4393	16.49.9	B	7 12 „
16	36.542	21.49	·83.4	16.59	83.1	.0624	.4394	16.49.1	B	8 12 „
17	35.650	21.72	84.4	16.61	83.6	.0661	.4397	16.48.8	G	9 12 „
18	34·689	22.20	85.3	16.54	84.0	.0741	.4389	16.47.4	G	10 12 „
19	34.141	22.23	86.0	16.47	84.9	.0746	.4381	16.46.9	G	11 12 „
20	33.592	22.08	86.7	16.45	85.5	.0720	.4379	16.47.2	G	Noon.
21	33.866	21.97	86.7	16.46	86.1	.0702	.4380	16.47.6	C	1 12 p.m.
22	34.964	21.45	86.9	16.47	86.6	.0617	.4381	16.48.6	C	2 12 „
23	35.924	21.26	87.1	16.45	87.1	·0587	.4379	16.48.9	C	3 12 „
Oct. 15th-Noon.	35.787	21.47	87.2	16.41	87.3	.0620	.4376	16.48.4	C	4 12 „
1	35.307	21.39	86.6	16.27	87.2	.0607	.4359	16.48.0	B	5 12 „
2	34.895	21.21	86.4	16.30	86·7	.0579	.4363	16.48.5	B	6 12 „
3	35.307	20.85	85.8	16.35	86.5	.0519	.4368	16.49.4	B	7 12 „
4	35.513	20.82	85.8	16.34	86.4	.0513	.4367	16.49.6	B	8 12 „
5	35.307	20·65	85.7	16.36	86.0	.0485	.4369	16.49.8	G	9 12 „
6	35.856	20.69	85.5	16.33	85.8	.0492	.4366	16.49.7	G	10 12 „
7	35.375	20.90	85.3	16.37	85.8	.0527	.4370	16.49.4	G	11 12 „
8	35.375	20.95	85.0	16.29	85.8	.0533	.4361	16.48.9	G	Midnight.
9	34.964	21.25	85.0	16.32	85.8	.0585	.4364	16.48.3	C	1 12 a.m.
10	34.346	21.34	84.5	16.34	85·5	·0599	.4367	16.48.4	C	2 12 „
11	34.484	21.25	84.1	16.38	85.3	.0585	.4371	16.48.6	C	3 12 „

DAILY OBSERVATIONS, FROM 15TH TO 18TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 15th—12	34·484	21.20	83°6	16.40	85°0	8.0577	2.4374	16°48'9	C	4 12 a.m.
13	34·484	21.25	83.6	16.44	84.6	.0585	.4378	16.48.9	B	5 12 „
14	34.895	21.23	83.5	16.48	84.2	.0582	.4382	16.49.2	B	6 12 „
15	35.513	21.22	84·0	16.48	84.3	.0580	.4382	16.49.2	B	7 12 „
16	35.993	21.49	84.8	16.44	84.8	·0624	.4378	16.48.5	B	8 12 „
17	35.924	21.66	85.6	16.42	85.2	.0651	.4376	16.48.0	G	9 12 „
18	35.101	22.05	87.0	16.38	86.0	.0714	.4371	16.47.1	G	10 12 „
19	34.484	22.12	87.5	16.28	86·8	.0726	.4360	16.46.4	G	11 12 „
20	34.072	22.01	87.7	16.2[illegible]	87.0	.0709	.4353	16.46.5	G	Noon.
21	34.346	21.93	88·1	16.23	87.8	.0696	.4355	16·46.7	C	1 12 p.m.
22	34.964	21.98	88·7	16.25	88.4	.0704	.4357	16.46.8	C	2 12 „
23	35.856	21.73	88·6	16.27	88.9	.0663	.4359	16.47.3	C	3 12 „
Oct. 16th-Noon.	35.650	21.68	88.5	16·25	89°0	.0654	.4357	16.47·4	C	4 12 „
1	35.032	21.49	87.6	16.06	88.5	.0624	.4336	16.46.9	B	5 12 „
2	34.484	21.51	87.0	15.94	87·9	.0627	.4323	16.46.3	B	6 12 „
3	34.621	21.32	86.4	16.03	87.5	.0595	·4333	16·47·1	B	7 12 „
4	34.346	21.25	86.1	16.09	87.1	.0585	.4339	16·47·4	B	8 12 „
5	34.209	21.36	86.0	16.11	87.0	.0602	.4342	16.47.4	G	9 12 „
6	34.484	21.33	85.7	16.21	86.9	.0598	.4353	16.47·9	G	10 12 „
7	34.552	21.43	85.2	16.19	86.4	·0614	·4350	16.47.7	G	11 12 „
8	34.621	21.35	85.0	16·18	86.0	·0600	.4349	16.47.7	G	Midnight.
9	34.689	21.76	84.5	16.18	85.9	.0668	.4349	16.46.8	C	1 12 a.m.
10	35.032	21.46	84.3	16.17	85.6	.0619	.4348	16.47·4	C	2 12 „
11	35.170	21.37	84.3	16.16	85.4	.0603	.4347	16.47.7	C	3 12 „
12	35.101	21.41	84.3	16.16	85.4	.0611	.4347	16.47·6	C	4 12 „
13	34.689	21.32	83.7	16.14	84.8	.0595	.4345	16.47.6	B	5 12 „
14	35.032	21.41	83.1	16.18	84.4	·0611	.4349	16.47·6	B	6 12 „
15	35.513	21·69	83.1	16.23	84.2	·0656	.4355	16.47·2	B	7 12 „
16	35.856	22.06	84.5	16.26	84.8	.0717	.4358	16.46.5	B	8 12 „
17	34.837	22.32	85.4	16.17	85.5	.0759	·4348	16.45.6	G	9 12 „
18	34.484	22.62	86.5	16.12	86.0	.0808	.4343	16.44.8	G	10 12 „
19	34.141	22.86	87.5	16.06	86.8	.0848	.4336	16.43.9	G	11 12 „
20	34.141	22·83	88.0	16.03	87.0	.0843	.4333	16.44.0	G	Noon.
21	34.209	22.29	88.2	16·02	87.9	.0755	·4332	16.44.9	C	1 12 p.m.
22	34.278	22.13	88.2	16·01	88.4	.0728	.4331	16.45.3	C	2 12 „
23	34.689	21.97	88·3	15.96	88.8	.0702	.4325	16·45.5	C	3 12 „
Oct. 18th-Noon.	36.061	21·13	88.2	15.88	88.8	.0562	.4314	16.46.8	B	4 12 „
1	35.718	21.20	87.5	15.85	88.3	.0577	.4313	16.46.6	B	5 12 „
2	35.787	21.09	86·4	15.82	87·2	.0558	.4310	16.46.7	B	6 12 „
3	35.787	20.76	85.6	15.85	86.5	.0504	.4313	16.47.6	B	7 12 „
4	35.581	20.84	85·2	15·82	85.8	·0517	.4310	16·47.2	B	8 12 „
5	35.101	21·10	85.0	15.87	85·7	.0559	.4315	16.46.9	G	9 12 „
6	34.837	21.41	84·5	15.89	85.5	.0611	.4317	16.46.4	G	10 12 „
7	35.170	21.22	83.3	15.98	85·2	.0580	.4327	16.47.2	G	11 12 „
8	35.170	21·29	83.3	16.04	84.7	.0591	·4334	16.47.2	G	Midnight.
9	35.032	21.26	83.2	16.05	84.6	.0586	.4335	16.47.3	C	1 12 a.m.
10	34·964	21.23	83.1	16.06	84.4	.0581	.4336	16.47.5	C	2 12 „
11	34·895	21·30	82.8	16.09	84.2	.0592	.4339	16.47.4	C	3 12 „
12	34.895	21.28	82.6	16.12	83.9	.0589	.4343	16.47.6	C	4 12 „
13	34·484	21·38	82.2	16.10	83.2	.0605	.4341	16.47.3	B	5 12 „
14	35.170	21.32	82.0	16.19	83.0	.0595	·4351	16.47.8	B	6 12 „
15	36.199	21.46	82.0	16.18	82.6	.0619	.4349	16.47.4	B	7 12 „
16	35·856	21.67	82.9	16.14	82.9	.0652	.4345	16.46.9	B	8 12 „
17	35.101	21.97	83.5	16.10	83.2	.0702	.4341	16.46.1	G	9 12 „
18	34.484	21.98	84.3	16.12	84.0	.0704	.4343	16.46.2	G	10 12 „
19	34.141	22·11	85.5	16.07	85.0	.0725	.4337	16.45.6	G	11 12 „
20	34.072	22.09	86.5	16.03	86.0	.0722	.4333	16.45.5	G	Noon.
21	34·895	21.91	87.7	15.86	87.0	.0693	.4314	16.45.1	C	1 12 p.m.
22	35.856	21.57	87.9	15·93	87.5	·0636	.4322	16.46.1	C	2 12 „
23	35·581	21.61	87.9	15.83	88.0	.0643	.4311	16.45.7	C	3 12 „

DAILY OBSERVATIONS, FROM 19TH TO 21ST OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Oct. 19th-Noon.	35'101	21.52	87°5	15.74	88°1	8.0628	2.4301	16°45'4	C	4 12 p. m.
1	34.415	21.43	86.6	15.73	87.5	.0614	.4300	16.45.7	B	5 12 „
2	34.552	21.41	86.0	15.66	87.1	.0611	.4292	16.45.3	B	6 12 „
3	34.415	21.32	85.5	15.74	86.4	.0595	.4301	16.45.8	B	7 12 „
4	34.621	21.24	85.1	15.80	86.0	.0584	.4308	16.46.4	B	8 12 „
5	34.758	21.33	85.0	15.87	85.5	.0597	.4315	16.46.4	G	9 12 „
6	34.758	21.32	84.4	15.77	85.0	.0595	.4304	16.45.9	G	10 12 „
7	35.032	21.33	83.8	15.84	84.5	.0597	.4312	16.46.2	G	11 12 „
8	35.307	21.59	83.0	15.84	84.0	.0640	.4312	16.45.7	G	Midnight.
9	35.513	21.38	82.4	15.91	83.7	.0605	.4320	16.46.5	C	1 12 a.m.
10	35.307	21.42	82.0	15.92	83.5	.0612	.4321	16.46.5	C	2 12 „
11	35.375	21.43	82.2	15.94	83.5	.0614	.4323	16.46.6	C	3 12 „
12	35.101	21.44	82.2	15.94	83.5	.0616	.4323	16.46.4	C	4 12 „
13	35.101	21.45	82.2	16.00	83.4	.0617	.4330	16.46.7	B	5 12 „
14	35.444	21.48	82.4	16.05	83.4	.0622	.4335	16.46.9	B	6 12 „
15	35.924	21.47	82.6	16.04	83.0	.0620	.4334	16.46.8	B	7 12 „
16	35.307	21.79	83.0	15.94	83.1	.0673	.4323	16.45.8	B	8 12 „
17	34.895	22.13	83.8	16.01	83.5	.0728	.4331	16.45.3	G	9 12 „
18	34.278	22.36	84.8	15.94	84.0	.0766	.4323	16.44.5	G	10 12 „
19	33.935	22.54	85.7	15.95	85.0	.0796	.4324	16.44.1	G	11 12 „
20	33.386	22.61	87.0	15.91	86.4	.0807	.4320	16.43.9	G	Noon.
21	33.455	22.41	88.1	15.88	87.8	.0775	.4316	16.44.1	C	1 12 p. m.
22	34.141	22.29	88.9	15.89	88.6	.0756	.4317	16.44.4	C	2 12 „
23	34.758	22.18	89.2	15.79	89.0	.0736	.4306	16.44.2	C	3 12 „
Oct. 20th-Noon.	34.837	21.91	88.1	15.77	88.6	.0693	.4303	16.44.7	C	4 12 „
1	34.552	21.55	87.3	15.78	87.8	.0633	.4305	16.45.6	B	5 12 „
2	34.552	21.46	86.4	15.80	86.8	.0619	.4308	16.45.8	B	6 12 „
3	34.552	21.52	86.1	15.85	86.5	.0628	.4313	16.45.9	B	7 12 „
4	34.552	21.58	85.7	15.90	86.5	.0638	.4319	16.46.0	B	8 12 „
5	35.032	21.71	85.5	15.94	86.6	.0660	.4323	16.45.9	G	9 12 „
6	35.170	21.39	85.5	15.89	86.3	.0607	.4317	16.46.4	G	10 12 „
7	35.513	21.39	85.5	15.90	86.5	.0607	.4319	16.46.4	G	11 12 „
8	35.787	21.14	85.5	15.73	86.4	.0566	.4300	16.46.2	G	Midnight.
9	36.267	20.87	85.3	15.68	86.4	.0521	.4294	16.46.5	C	1 12 a. m.
10	36.404	20.87	85.2	15.67	86.2	.0521	.4293	16.46.5	C	2 12 „
11	35.924	21.27	84.9	15.68	86.0	.0588	.4294	16.45.6	C	3 12 „
12	36.130	21.28	84.6	15.67	85.8	.0590	.4293	16.45.6	C	4 12 „
13	35.170	21.23	84.5	15.66	85.2	.0582	.4292	16.45.7	B	5 12 „
14	35.307	21.09	84.3	15.70	85.0	.0558	.4297	16.46.2	B	6 12 „
15	35.993	21.21	84.4	15.80	84.9	.0579	.4308	16.46.4	B	7 12 „
16	36.336	21.22	85.2	15.81	85.4	.0580	.4309	16.46.4	B	8 12 „
17	36.679	21.33	86.1	15.77	85.5	.0597	.4304	16.45.9	G	9 12 „
18	36.199	21.21	87.0	15.73	86.4	.0579	.4300	16.46.1	G	10 12 „
19	34.346	21.51	88.1	15.68	87.3	.0627	.4294	16.45.1	G	11 12 „
20	33.866	21.58	89.5	15.65	88.3	.0638	.4291	16.44.9	G	Noon.
21	34.837	21.39	90.1	15.62	89.2	.0607	.4288	16.45.2	C	1 12 p. m.
22	35.650	21.07	90.1	15.54	89.6	.0554	.4279	16.45.5	C	2 12 „
23	36.130	20.67	89.1	15.48	89.0	.0488	.4272	16.46.0	C	3 12 „
Oct. 21st-Noon.	36.130	20.85	88.5	15.46	88.9	.0518	.4270	16.45.6	C	4 12 „
1	35.307	20.93	87.5	15.47	87.4	.0532	.4271	16.45.5	B	5 12 „
2	35.101	20.84	86.2	15.59	86.2	.0517	.4284	16.46.1	B	6 12 „
3	34.484	20.84	85.5	15.67	85.6	.0517	.4293	16.46.5	B	7 12 „
4	34.484	20.76	84.8	15.65	84.9	.0504	.4291	16.46.7	B	8 12 „
5	35.170	20.97	84.0	15.62	84.0	.0538	.4288	16.46.1	G	9 12 „
6	35.513	20.93	83.8	15.70	84.0	.0532	.4297	16.46.6	G	10 12 „
7	35.170	21.38	83.5	15.61	83.8	.0605	.4287	16.45.2	G	11 12 „
8	34.484	21.23	83.5	15.67	83.8	.0582	.4293	16.45.8	G	Midnight.
9	34.484	21.22	82.9	15.85	83.7	.0580	.4213	16.46.6	C	1 12 a.m.
10	34.484	21.18	82.5	15.91	83.3	.0572	.4320	16.47.0	C	2 12 „
11	34.689	21.23	82.4	15.89	83.0	.0582	.4317	16.46.8	B	3 12 „

DAILY OBSERVATIONS, FROM 21ST TO 23RD OCTOBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
OCT. 21ST—12	34·141	21.25	82·2	15.94	82·9	8.0585	2.4323	16°46'8	B	4 12 a. m.
13	34.837	21.33	82·1	15.99	83.0	.0597	.4328	16.46.9	G	5 12 „
14	34.278	21.31	82·0	16.09	83·0	.0594	.4339	16.47.4	G	6 12 „
15	35.101	21.27	82.4	15.97	83·1	.0588	.4326	16.46.9	C	7 12 „
16	35.924	21.53	83.3	16.01	83.3	.0638	.4331	16.46.5	C	8·12 „
17	35.856	22.01	84.5	15.96	83.7	.0709	.4325	16.45.4	B	9 12 „
18	34.278	22.31	85.5	15.90	84.5	.0758	.4319	16.44.4	B	10 12 „
19	33·455	22.38	86.3	15.90	85.0	.0769	.4319	16.44.3	G	11 12 „
20	32.700	22.27	86.5	15.99	85·5	.0752	.4328	16.44.9	G	Noon.
21	33.043	21.88	86.6	15.96	86.2	.0687	.4325	16.45.6	C	1 12 p. m.
22	34.689	21.68	87.1	16.01	87.0	.0654	.4331	16.46.3	C	2 12 „
23	35.375	21.66	87.1	15·97	87.2	.0651	.4326	16.46.1	B	3 12 „
OCT. 22ND Noon.	34.964	21.37	86.9	15.89	87.1	.0604	.4317	16.46.5	B	4 12 „
1	34.415	21.41	86.3	15.78	86.8	.0611	.4305	16.45.9	G	5 12 „
2	34.278	21.20	85.7	15.78	86.0	.0577	.4305	16.46.3	G	6 12 „
3	34.415	21.25	85.2	15.83	85.7	.0585	.4311	16.46.3	C	7 12 „
4	34.552	21.28	84.9	15.82	85.5	.0590	.4310	16.46.3	C	8 12 „
5	34.758	21.19	84.5	15.83	85.0	.0574	.4311	16.46.6	B	9 12 „
6	34.837	21.32	84.3	15.90	84.9	.0595	.4319	16.46.5	B	10 12 „
7	34.758	21.44	84.3	15.86	84.8	.0616	.4314	16.46.0	G	11 12 „
8	34.837	21.45	83.8	15.92	84.5	.0617	.4321	16.46.3	G	Midnight.
9	34.621	21.36	83.4	15.89	84·1	.0602	.4317	16.46.5	C	1 12 a. m.
10	35.032	21 28	83.2	15.87	84.0	.0590	.4315	16.46.5	C	2 12 „
11	34.895	21.53	83.2	15.90	83.7	.0630	.4319	16 46.1	C	3 12 „
12	34.346	21.37	82.6	15.92	83.4	.0603	.4321	16.46.6	C	4 12 „
13	34.484	21.23	82.1	15.90	83.4	.0582	.4319	16.46.8	B	5 12 „
14	35.170	21.11	82.0	15.89	83.0	.0561	.4317	16.47.0	B	6 12 „
15	35.513	21.05	81.8	15.87	82.2	.0551	.4315	16.47.0	B	7 12 „
16	36.542	21.35	82.5	15.92	82.4	.0600	.4321	16.46.6	B	8 12 „
17	36.542	21.69	83.6	15.89	83.0	.0656	.4317	16.45.7	G	9 12 „
18	35.307	21.68	84.6	15.85	83.7	.0654	.4313	16.45.6	G	10 12 „
19	33.455	21.89	85.5	15.73	84.3	.0689	.4300	16.44.6	G	11 12 „
20	33 386	21.77	85.4	15.76	84.5	.0670	.4303	16.45.0	G	Noon.
21	34.003	21.73	85.4	15.86	84.9	.0663	.4314	16.45.5	C	1 12 p. m.
22	34.895	21.65	85.5	15·90	85.0	.0649	.4319	16.45.8	C	2 12 „
23	35·375	21.53	85.5	15.91	85.2	.0630	.4320	16.46.2	C	3 12 „
OCT. 23RD-Noon.	35.513	21.42	85.4	15.85	85.4	.0612	.4313	16.46.2	C	4 12 „
1	34.837	21.38	84.6	15.86	84.8	.0605	.4314	16.46.2	B	5 12 „
2	34.689	21.30	84.0	15.82	84.0	.0592	.4310	16.46.3	B	6 12 „
3	34.758	21.20	83.8	15.79	83.8	.0577	.4306	16.46.3	B	7 12 „
4	34.758	21.24	83 6	15.86	83.7	.0584	.4314	16.46.6	B	8 12 „
5	34.964	21.33	83.5	15.81	83.7	.0597	.4309	16.46.1	G	9 12 „
6	35.101	21.44	83.3	15.85	83.5	.0616	.4313	16.46.0	G	10 12 „
7	35.101	21.31	83.0	15.89	83.1	.0594	.4317	16.46.6	G	11 12 „
8	34.758	21.34	82.7	16.01	83.0	.0599	.4331	16.47.0	G	Midnight.
9	35.101	21.44	82.4	16 03	82 9	.0616	.4333	16.46.8	C	1 12 a. m.
10	34.895	21.41	82.0	16.05	82.5	.0611	.4335	16.47.1	C	2 12 „
11	34.621	21.39	81.9	16.06	82.4	.0607	.4336	16.47.1	C	3 12 „
12	34.689	21.29	81.6	16.06	82.4	.0592	.4336	16.47.3	C	4 12 „
13	34.346	21.37	81.5	16.07	82.2	.0603	.4337	16.47.3	B	5 12 „
14	34.484	21.47	81.5	16.06	82.0	.0620	.4336	16.46.9	B	6 12 „
15	35.238	21.61	81.6	16.06	82·0	.0643	.4336	16.46.7	B	7 12 „
16	35.101	21.83	82.4	16.07	82.2	.0679	.4337	16.46.3	B	8 12 „
17	34.346	22.12	83.5	16.09	82.9	.0726	.4339	16.45.6	G	9 12 „
18	33.112	22.42	84.4	16.09	83.7	.0776	.4339	16.45.0	G	10 12 „
19	32.906	22.47	85.3	16 05	84.3	.0784	.4335	16.44.9	G	11 12 „
20	32.700	22.29	85.8	16.03	85.1	.0756	.4333	16.45.0	G	Noon.
21	32.974	22.13	86.0	15.96	85.2	.0728	.4325	16.45.1	C	1 12 p. m.
22	33.249	21.98	86.0	15.92	86.0	.0704	.4321	16.45.3	C	2 12 „
23	33.866	21.55	86.2	15.89	86.3	.0633	.4317	16.46.1	C	3 12 „

DAILY OBSERVATIONS, FROM 25TH TO 27TH OCTOBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
Oct. 25th-Noon.	33·798	21.89	87·5	15.54	88·0	8.0689	2.4279	16°43′7	B	4 12 p. m.
1	33.728	21.74	86.2	15.52	87.2	.0665	.4277	16.44.0	B	5 12 „
2	33.866	21·73	85.5	15.55	86·5	.0663	.4280	16.44.2	B	6 12 „
3	33·866	21.56	85.0	15.56	85.9	.0635	.4281	16.44.5	B	7 12 „
4	34.072	21.48	84.4	15.66	85.3	.0622	.4292	16.45.1	B	8 12 „
5	34.141	21.50	84.2	15.65	85.0	.0625	.4291	16.45.0	G	9 12 „
6	34.209	21.52	84.0	15.64	84.6	.0628	.4290	16.45.0	G	10 12 „
7	34.278	21.53	83.8	15.67	84.3	.0630	.4293	16.45.1	G	11 12 „
8	34.552	21.56	83.4	15.65	83.8	.0635	.4291	16.44.9	G	Midnight.
9	34.689	21.54	83.0	15.61	83.3	.0632	.4287	16.44.9	C	1 12 a. m.
10	34.346	21.55	82.9	15.59	83.1	.0633	.4284	16.44.7	C	2 12 „
11	34·415	21.53	82.6	15.59	82·9	.0630	.4284	16.44.7	C	3 12 „
12	34.484	21·59	82.5	15.60	82.5	.0640	.4286	16.44.7	C	4 12 „
13	34.209	21.51	82.0	15.67	81.8	·0627	.4293	16·45.1	B	5 12 „
14	34.346	21.52	81.8	15.70	81.8	.0628	.4297	16.45 3	B	6 12 „
15	34.141	21.67	81.8	15.65	81.7	.0652	.4291	16.44·7	B	7 12 „
16	34·346	21.98	82·4	15.68	81.9	.0704	.4294	16.44.2	B	8 12 „
17	34.141	22.64	83.8	15.68	82·7	.0812	·4294	16.42.8	G	9 12 „
18	34·141	22.83	84.5	15.72	83.2	.0843	.4299	16.42.7	G	10 12 „
19	33.523	22.99	85.1	15.71	83.8	.0870	.4298	16.42·3	G	11 12 „
20	33.455	22.88	85.5	15.74	84.5	.0871	.4301	16.42.5	G	Noon.
21	33.592	22·68	85.8	15.72	85.1	.0818	.4299	16.42.9	C	1 12 p. m.
22	34.552	22.41	85.9	15.73	85.6	.0775	.4300	16.43.5	C	2 12 „
23	35.032	22.23	86.0	15·72	86.1	.0746	.4299	16.43.7	C	3 12 „
Oct. 26th-Noon.	35.238	22.08	85.7	15.68	86.1	.0720	.4294	16.43.9	C	4 12 „
1	34.278	21.89	84.9	15·55	85·6	·0689	.4280	16.43.8	B	5 12 „
2	33.866	21.52	84.0	15.49	84.6	.0628	.4273	16.44.3	B	6 12 „
3	34·141	21.43	83.5	15·51	83·8	.0614	.4276	16.44.7	B	7 12 „
4	34·278	21.42	83.3	15.53	83.5	.0612	.4278	16.44.8	B	8 12 „
5	34.415	21.39	83.0	15.58	83.3	.0607	.4283	16.45.0	G	9 12 „
6	34.346	21.42	82.8	15.59	83.0	.0612	.4284	16.45.0	G	10 12 „
7	34.552	21.54	82.7	15.58	82.8	.0632	.4283	16.44.7	G	11 12 „
8	34.837	21·56	82.3	15.58	82·5	.0635	.4283	16·44.6	G	Midnight.
9	35.032	21.49	81.8	15.66	82.1	.0624	.4292	16.45.1	C	1 12 a. m.
10	34.689	21·35	81.3	15.67	81.7	.0600	.4293	16.45.5	C	2 12 „
11	34.689	21.48	81.0	15·67	81.2	.0622	.4293	16.45.2	C	3 12 „
12	34.141	21.63	81.0	15·72	81.1	.0646	.4299	16.45.0	C	4 12 „
13	34.141	21.68	80.7	15.73	81.1	.0654	.4300	16.45.1	B	5 12 „
14	34.209	21·67	80.4	15.78	81.2	.0652	.4305	16·45.3	B	6 12 „
15	34.552	21.74	80.5	15.78	81.2	.0665	.4305	16.45.1	B	7 12 „
16	34.552	21.93	81.0	15.78	81.3	.0696	.4305	16.44.7	B	8 12 „
17	34.552	22.18	81.3	15.75	81.5	.0736	·4302	16.44.0	G	9 12 „
18	34.278	22·47	81.8	15.75	81·8	.0784	.4302	16.43.5	G	10 12 „
19	33.249	22.73	82.5	15.74	82.0	.0828	.4301	16·43.2	G	11 12 „
20	33.180	22.61	82.8	15.69	82.3	.0807	.4295	16.43.3	G	Noon.
21	33.729	22.37	82·9	15.73	82.5	.0767	.4300	16.43.6	C	1 12 p. m.
22	34·895	21.86	82.6	15.77	82.8	.0684	.4303	16.44.9	C	2 12 „
23	35.924	21.38	82·4	15·78	83.0	.0605	.4305	16.45.9	C	3 12 „
Oct. 27th-Noon.	35.444	21.07	81.6	15.77	82.6	.0554	.4304	16.46.5	C	4 12 „
1	34.837	20.94	80.5	15.71	82.0	.0534	.4298	16.46.6	B	5 12 „
2	34.689	20.97	80.2	15.69	81.3	.0538	.4295	16.46.4	B	6 12 „
3	34.689	20·86	79.5	15.67	80.5	·0520	.4293	16.46.5	B	7 12 „
4	35.032	20.56	79·2	15.66	80.3	.0471	.4292	16.47.1	B	8 12 „
5	34.837	20.52	79.0	15.60	80.0	.0464	.4286	16.47.0	G	9 12 „
6	34.837	20·63	78.8	15.57	79.8	.0482	.4282	16.46.6	G	10 12 „
7	34.837	21.08	78.5	15.55	79.5	.0556	.4280	16.45.5	G	11 12 „
8	35.856	21.11	78.4	15.58	79.4	.0561	.4283	16.45.6	G	Midnight.
9	35.856	21.17	78.4	15.60	79.2	.0571	.4286	16.45.6	C	1 12 a. m.
10	34.552	21.15	78.4	15.62	79.1	·0567	.4288	16.45.7	C	2 12 „
11	34.484	21.12	78.3	15.63	79.1	.0562	.4289	16.45.8	C	3 12 „

DAILY OBSERVATIONS, FROM 27TH. TO 29TH OCTOBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 27th—12	34°484	21.11	78°2	15.63	79°1	8.0561	2.4289	16°45'8	C	4 12 a. m.
13	34.141	21.25	77.8	15.61	79.0	.0585	.4287	16.45.4	B	5 12 „
14	33.935	21.25	77·5	15.66	78.5	.0585	.4292	16.45.5	B	6 12 „
15	34.484	21.26	77.5	15.55	78.2	.0584	.4280	16.45.3	B	7 12 „
16	34.758	21.53	78.5	15.56	78.5	.0630	.4281	16.44.6	B	8 12 „
17	34.346	21.95	80.1	15.53	79.2	.0699	.4278	16.43.6	G	9 12 „
18	33.866	22.15	81.1	15.57	79.8	.0731	.4282	16.43.3	G	10 12 „
19	32.906	22.31	82.0	15.58	80.6	.0758	.4283	16.42.9	G	11 12 „
20	33.660	22.23	82.5	15.72	81.3	.0746	.4299	16.43.7	G	Noon.
21	34.346	21.84	82.5	15.72	81.9	.0681	.4299	16.44.7	C	1 12 p. m.
22	34.964	21.69	82.7	15.71	82.8	.0656	.4298	16.44.9	C	2 12 „
23	35.375	21.63	82.8	15.70	83.0	.0646	.4297	16.45.0	C	3 12 „
Oct. 28th-Noon.	35.101	21.26	82.6	15.68	83.0	.0587	.4294	16.45.6	C	4 12 „
1	34.141	20.95	81.7	15.58	82.5	.0535	.4283	16.45.9	B	5 12 „
2	34.415	20.96	80.7	15.60	81.5	.0537	.4286	16.46.0	B	6 12 „
3	34.552	21.10	80.3	15.53	81.0	.0559	.4278	16.45.4	B	7 12 „
4	34.278	21.12	80.1	15.52	80.6	.0562	.4277	16.45.4	B	8 12 „
5	34.072	21.21	79.8	15.51	80·3	.0579	.4276	16.45.1	G	9 12 „
6	34.141	21.29	79.1	15.49	79.8	.0592	.4273	16.44.8	G	10 12 „
7	34.837	21·33	78.8	15.49	79.5	.0597	.4273	16.44.7	G	11 12 „
8	34.837	21·34	78.3	15.48	79·4	.0599	.4272	16.44.6	G	Midnight.
9	34.837	21.38	78·2	15.48	79.4	.0605	.4272	16.44.5	C	1 12 a.m.
10	34.621	21.34	78.0	15.47	79.0	.0599	.4271	16.44.6	C	2 12 „
11	34.484	21.33	77.7	15.50	78.6	.0597	.4275	16.44.8	C	3 12 „
12	34.484	21.33	77.4	15.50	78.2	.0597	.4275	16.44.8	C	4 12 „
13	34.346	21.36	76.6	15.58	77.5	.0602	.4283	16.45.1	B	5 12 „
14	34.689	21.29	76.5	15.53	77.5	·0592	.4278	16.45.0	B	6 12 „
15	34.837	21.49	76.6	15.48	77.2	.0624	.4272	16.44.3	B	7 12 „
16	34.837	21.69	78.0	15.43	77.6	.0656	.4267	16.43.7	B	8 12 „
17	34.278	22.02	79.0	15.50	78.3	.0710	.4275	16.43.4	G	9 12 „
18	33.729	22.20	80·3	15.49	79.0	.0741	.4273	16.42.9	G	10 12 „
19	33.112	22.35	81.0	15.50	80.0	.0764	.4275	16.42.7	G	11 12 „
20	32.495	22.38	82.1	15.57	81.0	.0769	.4282	16.42.8	G	Noon.
21	33.180	22.29	83.4	15.66	82·0	.0754	.4292	16.43.4	C	1 12 p. m.
22	33.660	22.09	83.9	15.72	82.6	.0722	.4299	16.44.1	C	2 12 „
23	34.484	21.91	84·0	15·71	83.2	.0693	.4298	16.44.6	C	3 12 „
Oct. 29th-Noon.	34.837	21.73	83.6	15.65	83.5	.0663	.4291	16.44.6	C	4 12 „
1	34.072	21·60	82.5	15.59	83.0	.0641	.4284	16.44.6	B	5 12 „
2	33.866	21.49	81.7	15.61	82.1	.0624	.4287	16.45.0	B	6 12 „
3	34·072	21.45	81.4	15.57	81.8	.0617	.4282	16.44.7	B	7 12 „
4	34.209	21.32	80.8	15.55	81.6	.0595	.4280	16.45.0	B	8 12 „
5	34.346	21·35	80.0	15.54	81.3	.0600	.4279	16.44.9	G	9 12 „
6	34.415	21.36	79.8	16.52	80.8	.0602	.4277	16.44.9	G	10 12 „
7	34.621	21.41	79.5	15.54	80.1	.0611	.4279	16.44.8	G	11 12 „
8	34.621	21.52	79.0	15.51	79.8	.0628	.4276	16.44.4	G	Midnight.
9	34.552	21.43	78.5	15.49	79.5	.0614	.4273	16.44.6	C	1 12 a. m.
10	34.484	21.45	78.4	15.46	79.4	.0617	.4270	16.44.3	C	2 12 „
11	34·278	21.56	78.2	15.45	79.2	.0635	.4269	16.44.0	C	3 12 „
12	33·935	21.57	78.2	15.44	79.1	.0636	.4268	16.44.0	C	4 12 „
13	33.866	21·40	77.6	15.47	78.4	.0609	.4271	16.44·5	B	5 12 „
14	33.866	21.48	77.4	15.45	78·2	.0622	.4269	16.44.2	B	6 12 „
15	34.346	21.86	78.1	15.45	78.2	.0684	.4269	16.43.4	B	7 12 „
16	35.170	22.07	79.3	15.46	78·5	.0718	.4270	16.43.0	B	8 12 „
17	35.513	22.30	80.3	15.48	79.4	.0756	.4272	16.42.5	G	9 12 „
18	35.238	22.50	81.3	15.50	80.2	.0789	.4275	16.42.3	G	10 12 „
19	34.141	22.63	82.6	15.43	81.0	.0810	.4267	16.41·8	G	11 12 „
20	33.523	22.60	83.6	15.54	82.0	·0805	.4279	16.42·6	G	Noon.
21	33.660	22.45	84.2	15.51	83.0	.0781	.4276	16.42.5	C	1 12 p. m.
22	33.660	22.27	84.8	15.52	83.8	.0752	.4277	16.42.9	C	2 12 „
23	34·346	22.14	85.1	15.52	84.6	.0730	.4277	16.43.2	C	3 12 „

DAILY OBSERVATIONS, FROM 30TH OCTOBER TO 2ND NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Oct. 30th-Noon.	34·552	21.96	84·9	15.52	85·0	8.0701	2.4277	16°43′6	C	4 12 p. m.
1	34.072	21.80	84.0	15.40	84.6	.0674	.4264	16.43.4	B	5 12 „
2	33.935	21.77	83.1	15.46	83.6	.0670	.4270	16.43.7	B	6 12 „
3	34.141	21.68	82.6	15.46	83.5	.0654	.4270	16.43.9	B	7 12 „
4	34.141	21.62	82.2	15.43	82.7	.0644	.4267	16.44.0	B	8 12 „
5	34.278	21.51	82.0	15.47	82.3	.0627	.4271	16.44.2	G	9 12 „
6	34.209	21.58	81.6	15.50	82.0	.0638	.4275	16.44.3	G	10 12 „
7	34.621	21.56	80.9	15.55	81.5	.0635	.4280	16.44.5	G	11 12 „
8	34·837	21.52	80.1	15.53	81.0	.0628	.4278	16.44.5	G	Midnight.
9	34.895	21.58	79.8	15.48	80·9	.0638	.4272	16.44.1	C	1 12 a. m.
10	33.935	21.54	79.4	15.44	80.5	.0632	.4268	16.44.1	C	2 12 „
11	34.209	21.55	78.9	15.43	80.3	.0633	.4267	16.44.1	C	3 12 „
12	34·209	21.58	79·0	15.43	80.2	.0638	.4267	16.44.0	C	4 12 „
13	34.415	21.57	79.0	15.49	79.6	.0636	.4273	16.44.2	B	5 12 „
14	34.141	21.68	78.5	15.43	79.4	.0654	.4267	16.43.8	B	6 12 „
15	34.209	21.78	78.8	15.46	79.2	.0671	.4270	16.43.7	B	7 12 „
16	34.346	22.17	79.3	15.38	79.4	.0734	.4261	16.42.5	B	8 12 „
17	33.592	22.64	80.5	15.50	80.0	.0812	.4275	16.42.1	G	9 12 „
18	32.974	22.87	81.3	15.52	80.8	.0849	.4277	16.41.6	G	10 12 „
19	32.426	22.96	83.0	15.51	81.5	.0865	.4276	16.41.3	G	11 12 „
20	32.083	22 92	84.3	15.58	82.8	.0858	.4283	16.41.7	G	Noon.
21	32.494	22.63	84.9	15.58	83.5	.0810	.4283	16.42.4	C	1 12 p. m.
22	33.043	22.42	85.3	15.60	84.2	.0776	.4286	16.42.9	C	2 12 „
23	33.668	22.21	85.6	15.56	85.0	.0742	.4281	16.43.2	C	3 12 „
Nov. 1st-Noon.	34.141	22.46	86.3	44·02	85.5	.0783	.8036	19.09.2	G	4 12 „
1	34.003	22.14	85.3	44.06	85.4	.0730	.8040	19.10.0	C	5 12 „
2	33.935	21.91	84.1	44.13	84.8	.0693	.8048	19.10.8	C	6 12 „
3	34.141	21.67	83.5	44.34	84.1	.0652	.8071	19.12.1	C	7 12 „
4	34.141	21.58	83.1	44.35	83.9	.0638	.8072	19.12.3	C	8 12 „
5	34.484	21.28	82.1	44·39	83.5	.0590	.8076	19.13.1	B	9 12 „
6	34.837	21.17	81.5	44.43	82.6	.0570	.8081	19.13.6	B	10 12 „
7	35.101	21·18	81.0	44.41	82.1	.0572	.8079	19.13.5	B	11 12 „
8	34.895	21.17	80.6	44.40	81.7	.0570	.8078	19.13.5	B	Midnight.
9	35.101	21.30	80.3	44.42	81.4	.0592	.8080	19.13.3	G	1 12 a. m.
10	35.101	21.40	80.0	44.43	81.0	.0609	.8081	19.13.1	G	2 12 „
11	34.689	21.57	79.8	44.42	80.8	.0636	.8080	19.12.7	G	3 12 „
12	34.209	21.50	79.7	44.42	80.5	.0625	.8080	19.12.8	G	4 12 „
13	33.866	21.70	79.5	44.38	80.4	.0668	.8075	19.12.1	C	5 12 „
14	33.866	21.63	79.1	44.35	80.1	.0646	.8072	19.12.1	C	6 12 „
15	34.278	21.67	79.2	44.39	80.0	.0652	.8076	19.12.3	C	7 12 „
16	34.895	21.79	79.9	44.31	80.0	.0673	.8068	19.11.8	C	8 12 „
17	34.689	21.93	81.0	44.01	80.4	.0696	.8035	19.10.2	B	9 12 „
18	34.346	22.21	82.0	43.64	81.2	.0743	.7994	19.08.0	B	10 12 „
19	33.317	22.25	82.9	43.36	81.9	.0749	.7963	19.06.6	B	11 12 „
20	32.974	22.25	84.0	43.22	82.6	.0749	.7948	19.06.1	B	Noon.
21	33.592	22.20	84.9	43.11	83.7	.0741	.7936	19.05.8	G	1 12 p. m.
22	33.729	22.25	85.7	43.14	84.5	.0749	.7939	19.05.7	G	2 12 „
23	34.072	22.13	86.0	43.01	85.0	.0728	.7925	19.05.5	G	3 12 „
Nov. 2nd-Noon.	34.278	21·99	85.8	42.91	85.5	.0706	.7914	19.05.1	G	4 12 „
1	34.003	21.74	84.7	42.76	85.3	.0665	.7897	19.05.1	C	5 12 „
2	34.003	21.65	83.9	42.88	84.9	.0649	.7910	19.05.9	C	6 12 „
3	34.141	21.59	83.2	42.91	84.2	.0640	.7914	19.06.2	C	7 12 „
4	34.209	21.52	82.8	42.96	83.7	.0628	.7919	19.06.5	C	8 12 „
5	34.278	21.40	82.4	43.04	82.9	.0622	.7928	19.07.2	B	9 12 „
6	34.837	21·46	82.0	43.03	82.5	.0619	.7927	19.07.0	B	10 12 „
7	34.621	21·40	81·5	42.82	82.4	.0609	.7904	19.06.2	B	11 12 „
8	34.621	21.57	81·2	42.81	82.1	.0636	.7903	19.05.8	B	Midnight.
9	34.415	21.62	80.9	42.85	81.6	.0644	.7907	19.06.0	G	1 12 a. m.
10	34.278	21.64	80.7	42.84	81.3	.0648	.7906	19.05.7	G	2 12 „
11	34.141	21.59	80.5	42.83	81.0	.0640	.7905	19.05.9	G	3 12 „

DAILY OBSERVATIONS, FROM 2ND TO 4TH NOVEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.	′									h. m.
Nov. 2ND— 12	34′141	21.74	80°2	42.44	80°7	8.0665	2.7862	19°03′6	G	4 12 a. m.
13	34.072	21.59	79.7	42.47	80.7	.0640	.7865	19.04.3	C	5 12 „
14	33.386	21.62	79.1	42.49	80.2	.0644	.7867	19.04.4	C	6 12 „
15	34.003	21.68	79.1	42.52	79.9	.0654	.7871	19.04.3	C	7 12 „
16	34.278	21.84	80.0	42.60	80.0	.0681	.7880	19.04.2	C	8 12 „
17	34.895	22·15	81.1	42.37	80.5	.0731	.7854	19.02.7	B	9 12 „
18	34.484	22.46	82.1	41.93	81.1	.0783	.7806	19.00.2	B	10 12 „
19	33.798	22.66	83.5	41·60	82.0	.0815	.7770	18.58.2	B	11 12 „
20	34.141	22.55	83.9	41.47	82·9	.0797	.7755	18.58.0	B	Noon.
21	35.101	22.10	84.7	41.54	83.3	.0723	.7763	18.59.2	G	1 12 p. m.
22	35.032	21·72	85.0	41.48	84.0	.0661	.7756	18.59.8	G	2 12 „
23	34.837	21.74	85.5	41·26	84.8	.0665	.7732	18.58.7	G	3 12 „
Nov. 3RD-Noon.	35.101	21.63	85.5	41.15	85.0	.0646	.7720	18.58.5	G	4 12 „
1	34.621	21.60	84.7	40.94	85.0	.0641	.7697	18.57·8	C	5 12 „
2	34.072	21.44	83.8	41.02	84.4	.0616	.7706	18.58.3	C	6 12 „
3	34.141	21.47	83.2	41.02	83·9	.0620	.7706	18.58.3	C	7 12 „
4	34.209	21.42	83.0	41.01	83.6	.0612	.7705	18.58.5	C	8 12 „
5	34.758	21.40	82.5	41·09	83.0	.0609	.7713	18.58.8	B	9 12 „
6	34.758	21.46	82.0	41.03	82.6	.0619	.7707	18·58.4	B	10 12 „
7	35.032	21.30	81.4	41.12	82.2	.0592	.7717	18.59.2	B	11 12 „
8	35.032	21·26	80.6	40·95	81.6	.0587	.7698	18.58.6	B	Midnight.
9	34.758	21.36	80·6	40.93	81.6	·0602	.7696	18·58.2	G	1 12 a. m.
10	34.209	21.37	80.4	40.85	81·5	.0603	.7687	18.57.9	G	2 12 „
11	33.935	21.37	80.1	40.79	81.5	·0603	.7680	18.57.6	G	3 12 „
12	33·935	21.51	80.0	40.78	81.2	.0627	.7679	18.57.1	G	4 12 „
13	33.798	21.53	79.5	40.69	81.0	·0630	.7669	18.56.7	C	5 12 „
14	34.072	21.62	79.2	40.61	80.7	.0644	.7661	18.56.3	C	6 12 „
15	33.935	21.76	79.1	40.59	80.2	.0668	·7658	18.55·9	C	7 12 „
16	34.415	21.89	79.2	40.53	80.2	.0689	.7652	18.55.3	C	8 12 „
17	34·621	22.27	81.2	40.37	80.6	.0752	.7634	18.53.8	B	9 12 „
18	34.484	22.35	82.2	40.09	81.4	.0764	.7603	18.52.5	B	10 12 „
19	33.455	22·42	83.6	39·58	82.1	.0776	.7547	18.50.2	B	11 12 „
20	33.866	22.30	84.4	39.59	83.0	.0756	.7548	18.50.4	B	Noon.
21	34.209	22.21	85.3	39.55	83.6	.0743	.7544	18.50.5	G	1 12 p. m.
22	34.484	22.00	85.7	39.54	84.5	.0707	.7543	18.50.9	G	2 12 „
23	34.415	21·74	85.8	39.41	85.0	.0665	.7529	18.50.8	G	3 12 „
Nov. 4TH-Noon.	35.101	21.58	85.8	39.27	85·3	·0638	.7513	18.50.6	G	4 12 „
1	34·484	21.50	85.2	39.23	85.3	.0625	.7509	18.50.5	C	5 12 „
2	34.209	21·35	84.2	39·24	85·0	.0600	.7510	18.51.0	C	6 12 „
3	34.621	20.95	83·7	39.31	84.3	.0535	.7518	18.52.1	C	7 12 „
4	35.307	20.47	83.2	39.44	83.9	.0456	.7532	18.53·6	C	8 12 „
5	35.101	20.49	83.0	39.45	83.3	.0460	.7533	18.53.7	B	9 12 „
6	34.837	20.78	82.4	39.34	83.0	.0507	.7521	18.52.6	B	10 12 „
7	34.552	21.02	81.8	39.43	82.5	.0546	.7531	18.52.4	B	11 12 „
8	34.415	21.32	81.8	39.42	82.5	.0595	.7530	18.51.8	B	Midnight.
9	34.837	21.73	81.3	39·24	82.0	.0663	.7510	18.50.2	G	1 12 a. m.
10	34.072	21.68	81.0	39·25	81.8	.0654	.7511	18·50.3	G	2 12 „
11	33.798	21.66	80.5	39.25	81.5	·0651	.7511	18.50.3	G	3 12 „
12	33.798	21.69	80.2	39.17	81.0	·0656	.7502	18.49.8	G	4 12 „
13	32.837	21.62	79.8	39.28	81.0	.0644	.7514	18.50.6	C	5 12 „
14	32.837	21.62	79.4	39.23	80.5	.0644	.7509	18.50.4	C	6 12 „
15	32.288	21.78	79.8	39.08	80.2	.0671	.7492	18.49.3	C	7 12 „
16	32.083	21.84	80.7	39.02	80.6	.0681	.7486	18.49.0	C	8 12 „
17	34.895	21.99	82.0	38.79	81.2	.0706	.7460	18.47.6	B	9 12 „
18	35.101	22.08	83.0	38.58	81.9	.0720	.7437	18.46.6	B	10 12 „
19	34.552	22.47	84.0	38.08	82.5	.0784	.7383	18.43.7	B	11 12 „
20	34.837	21.95	84.5	38.09	83.1	.0699	.7384	18.44.7	B	Noon.
21	35.924	21.35	85.0	38.05	83.5	.0600	.7379	18.45.8	G	1 12 p. m.
22	35.170	21.34	85.5	37·53	84.4	.0599	.7322	18.43.6	G	2 12 „
23	34.964	21.48	85.7	37.50	85.0	.0622	.7319	18.43.2	G	3 12 „

DAILY OBSERVATIONS, FROM 5TH TO 8TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. — Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Vertical Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Nov. 5th-Noon.	35·032	21.38	85·8	37.46	85·3	8.0605	2.7314	18°43′2	G	4 12 p. m.
1	35.101	20.54	84.7	37.45	85.3	.0468	.7313	18.45.0	C	5 12 „
2	35.444	20.39	83.9	37.53	84.8	.0443	.7322	18.45.7	C	6 12 „
3	35.513	20.29	83.6	37.57	84.2	.0428	.7326	18.46.0	C	7 12 „
4	35.032	20.37	83.0	37.60	83.7	.0439	.7330	18.46.1	C	8 12 „
5	35.032	20.50	82.5	37.74	83.0	.0461	.7345	18.46.4	B	9 12 „
6	34.895	20.76	82.3	37.73	82.8	.0504	.7344	18.45.8	B	10 12 „
7	34.964	20.95	82.2	37.73	82.6	.0535	.7344	18.45.3	B	11 12 „
8	35.032	20.93	81.6	37.66	82.0	.0532	.7336	18.45.1	B	Midnight.
9	34.895	21.29	81.3	37.63	81.8	.0592	.7333	18.44.2	G	1 12 a. m.
10	34.552	21.45	81.0	37.55	81.5	.0617	.7322	18.43.3	G	2 12 „
11	34.484	21.08	80.8	37.54	81.4	.0556	.7323	18.44.2	G	3 12 „
12	33.935	21.28	80.7	37.46	81.2	.0590	.7314	18.43.4	G	4 12 „
13	34.278	21.32	80.5	37.46	81.1	.0595	.7314	18.43.3	C	5 12 „
14	32.974	21.41	80.3	37.41	81·0	.0611	.7309	18.43.0	C	6 12 „
15	32.769	21.52	80.4	37.40	80.9	.0628	.7308	18.42.7	C	7 12 „
16	33.455	22.00	81.2	37.40	81.1	.0707	.7308	18.41.7	C	8 12 „
17	33.455	22.40	82.5	37.30	81.5	.0773	.7297	18.40.5	B	9 12 „
18	33.455	22.21	83.1	37.11	81.9	.0743	.7276	18.40.0	B	10 12 „
19	33.866	21.81	83.9	36.93	82.5	.0686	.7256	18.39.9	B	11 12 „
20	34.621	21.27	84.0	36.94	82.9	.0588	.7257	18.41.3	B	Noon.
21	36.473	21.01	84.1	36.82	83.3	.0545	.7244	18.41.2	G	1 12 p. m.
22	35.993	20.84	84.1	36.59	83.7	.0517	.7218	18.40.7	G	2 12 „
23	34.895	21.27	84.5	36.32	34.0	.8588	.7189	18.38.5	G	3 12 „
Nov. 6th-Noon.	34.895	21.24	84.4	36.14	84.5	.0584	.7169	18.37.4	G	4 12 „
1	34.837	21.17	83.7	36.23	84.4	.0570	.7179	18.38.4	C	5 12 „
2	35.101	21.00	82.9	36.28	83.9	.0543	.7184	18.39.0	C	6 12 „
3	34.758	20.99	82.2	36.26	83.2	.0542	.7182	18.38.9	C	7 12 „
4	35.307	20.91	82.0	36.20	83.0	.0529	.7176	18.38.8	C	8 12 „
5	35.856	20.64	81.9	36·08	82.5	.0484	.7162	18.38.9	B	9 12 „
6	35.238	20.87	81.5	36.01	82.1	.0521	.7155	18.38.2	B	10 12 „
7	35.238	20.77	80.8	36.15	81.8	.0505	.7170	18.38.9	B	11 12 „
8	34.964	20.88	80.1	36.29	81.3	.0523	.7185	18.39.3	B	Midnight.
9	34.837	20.87	79.6	36·32	80.8	.0521	.7189	18.39.4	G	1 12 a. m.
10	34.689	21.09	79.4	36.36	80.3	.0558	.7193	18.39.1	G	2 12 „
11	33.866	21.17	79.0	36.10	80.0	.0570	.7165	18.37.9	G	3 12 „
12	35.170	21.45	78.9	36.15	79.9	.0617	.7170	18.37.4	G	4 12 „
13	33.798	21 38	78.5	36.03	79.2	.0605	.7157	18.37.2	C	5 12 „
14	33.112	21.19	78.0	36.11	79.0	.0574	.7166	18.37.9	C	6 12 „
15	33.523	21.53	78.2	36.02	78.5	.0630	.7156	18.36.8	C	7 12 „
16	34.141	21.91	79.5	36.00	79.2	.0693	.7154	18.35.8	C	8 12 „
17	34.484	22.06	80.2	35.75	79.9	.0717	.7126	18.34.4	B	9 12 „
18	33.798	22.21	81.6	35.57	80.6	.0743	.7106	18.33.4	B	10 12 „
19	34.043	22.02	82.8	35.37	81.6	.0710	.7084	18.32.9	B	11 12 „
20	34.278	21.68	83.5	35.27	82.1	.0654	.7073	18.33.2	B	Noon.
21	34.689	21.74	84.2	35.27	83.0	.0665	.7073	18.32.9	G	1 12 p. m.
22	34.621	21.65	84.5	35.19	83.5	.0649	.7064	18.32.8	G	2 12 „
23	34.758	21.56	84.7	35.14	83.9	.0635	.7059	18.32.9	G	3 12 „
Nov. 8th-Noon.	34.621	21.50	85.4	33.26	85.3	.0625	.6852	18.24.9	B	4 12 „
1	34.621	21.25	84.4	33.36	85.0	.0585	.6863	18.25.8	C	5 12 „
2	35.444	21.02	83.3	33.51	84.1	.0546	.6880	18.27.0	C	6 12 „
3	35.993	20.96	82.8	33.80	83.9	.0537	.6912	18.28.4	C	7 12 „
4	35.170	21.23	82.1	33.78	83.3	.0582	.6909	18.27.8	C	8 12 „
5	35.238	21.27	81.5	33.68	82.6	.0588	.6898	18.27.2	B	9 12 „
6	34.689	21.16	80.6	33.82	82.2	.0569	.6914	18.28.1	B	10 12 „
7	34.689	21.32	80.5	33.90	81.7	.0595	.6923	18.28.1	B	11 12 „
8	34.758	21.42	80.0	33.88	80.1	.0612	.6921	18.27.9	B	Midnight.
9	34.484	21.45	79.7	33.90	80.7	.0617	.6923	18.27.8	G	1 12 a. m.
10	34.141	21.49	79.4	33.97	80.2	.0624	.6931	18.28.1	G	2 12 „
11	33.798	21.59	79.4	34.00	80.0	.0640	.6934	18.28.0	G	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 11TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Nov. 8TH—12	33·660	21.42	79·3	34.00	80·0	8.0612	2.6934	18°28'4	G	4 12 a. m.
13	33.249	21.51	79.1	33.97	79·9	.0627	.6932	18.28.0	B	5 12 „
14	33.455	21.36	78·2	33.75	79.7	.0602	.6905	18.27.4	B	6 12 „
15	33.386	21.54	78.2	33.74	79.4	.0632	.6905	18.27·0	B	7 12 „
16	33.798	21.65	79.1	33.70	79·4	.0649	.6901	18.26·5	B	8 12 „
17	34.141	21.94	80.8	33·35	80.0	.0693	.6862	18·24.3	C	9 12 „
18	34.484	22.19	82.3	33.02	80.8	.0738	.6826	18.22.5	C	10 12 „
19	34.141	22·29	83.3	32.80	81.6	.0755	.6802	18·21.2	C	11 12 „
20	34.415	21·98	83.5	32.79	82.3	.0764	.6801	18.22.0	C	Noon.
21	35.032	21.77	84·0	32.76	82.8	.0662	.6798	18.22.4	G	1 12 p. m.
22	35.238	21.67	84.9	32.64	83.3	.0652	.6784	18.21.9	G	2 12 „
23	34·895	21.52	85.0	32.54	84.0	.0628	.6773	18.21.8	G	3 12 „
Nov. 9TH—Noon.	35.513	21.69	85.0	32.44	84.5	·0656	.6762	18.20.9	G	4 12 „
1	34.689	21 58	84.0	32.56	84.3	.0638	.6775	18.21.8	C	5 12 „
2	35.238	21.43	83.2	32·66	83.5	.0614	.6786	18·22.6	C	6 12 „
3	35.375	21.39	82.9	32.76	83.0	.0607	.6797	18.23·1	C	7 12 „
4	35.375	21·16	82.5	32.84	82.9	.0569	.6806	18.23.9	C	8 12 „
5	35.993	20.88	81·8	32.82	82.5	.0523	.6804	18.24.4	B	9 12 „
6	35.856	20.72	81.2	32.91	82.0	·0497	.6814	18.25.1	B	10 12 „
7	35·787	20.81	80.6	32.85	81.6	.0512	.6807	18.24.8	B	11 12 „
8	34.689	21.02	80.1	32.95	81.0	.0546	.6818	18.24.6	B	Midnight.
9	34.484	21.34	79.4	33·00	80.7	.0599	.6824	18.24.2	G	1 12 a. m.
10	35.170	21.52	78.7	33.00	80.1	.0628	.6824	18.23.8	G	2 12 „
11	34.895	21.29	78.0	33·04	79.5	.0592	·6828	18.24.5	G	3 12 „
12	34.484	21.40	77.5	33.06	79.0	.0608	.6830	18.24.4	G	4 12 „
13	34.895	21.48	77.4	33.05	78.8	.0622	.6829	18.24.1	C	5 12 „
14	34.141	21.60	77.3	33.06	78.5	.0641	.6830	18.24.0	C	6 12 „
15	33.935	21.63	78.2	33.22	78.9	.0646	.6848	18.24.5	C	7 12 „
16	34.346	21.83	79.6	33.26	79.6	.0679	.6852	18.24.3	C	8 12 „
17	34.278	22.10	81.4	32.75	80.1	.0723	.6796	18.22.1	B	9 12 „
18	34.484	22.10	82.5	32·35	80.9	.0723	.6752	18.20.1	B	10 12 „
19	34·209	22.15	83.2	32.14	81.5	.0731	.6729	18.18.8	B	11 12 „
20	34.072	22.10	83.5	32.04	82.0	.0723	.6718	18.18.5	B	Noon.
21	34.072	21.99	84.0	32·04	82.5	.0706	.6718	18.18.7	G	1 12 p. m.
22	34.758	21.90	84.1	32.07	83.0	.0691	.6721	18.19.0	G	2 12 „
23	34.837	21·88	84.0	32.04	83.3	.0687	.6718	18·18.9	G	3 12 „
Nov. 11TH-Noon.	34.689	22.09	85.3	30·72	85.6	.0722	.6573	18.12.8	C	4 12 „
1	34.209	21.77	84.5	30.74	85.4	·0669	.6575	18.13.6	C	5 12 „
2	34.552	21.61	83.8	30.86	84.7	·0643	.6588	18.14.5	C	6 12 „
3	35.307	21.33	83.0	31.12	83.9	.0597	.6617	18.16.1	C	7 12 „
4	34.552	21.34	82·4	30·75	83.3	.0599	.6576	18.14.5	C	8 12 „
5	34.484	21.27	81.6	30.78	82.6	.0588	.6579	18.14.7	B	9 12 „
6	34.415	21.32	81.2	30.81	82.0	.0595	.6583	18.14.8	B	10 12 „
7	34.552	21.41	80.6	31.00	81·5	.0611	·6604	18·15.5	B	11 12 „
8	34.552	21.47	79.9	31.03	81.1	.0620	.6607	18·15.5	B	Midnight.
9	34.346	21·65	79.7	31.03	81.0	.0649	.6607	18.15.1	G	1 12 a. m.
10	34.484	21·76	79.5	31.02	80.8	·0668	.6606	18.14.8	G	2 12 „
11	34.415	21.65	79.4	31.02	80.5	.0649	.6606	18.15.0	G	3 12 „
12	34.209	21·52	79.0	31·00	80.0	.0628	.6604	18.15.2	G	4 12 „
13	34.072	21.61	78.5	30.97	79.9	.0643	.6600	18.15.0	C	5 12 „
14	34·141	21.65	78.0	30.92	79.2	.0649	.6595	18.14.6	C	6 12 „
15	34.141	21.95	78.2	30·91	79.1	·0699	.6594	18.13.9	C	7 12 „
16	34.621	22.14	79.1	30·91	79.3	.0730	.6594	18·13·5	C	8 12 „
17	34·689	22.32	80.1	30.84	79.6	.0759	.6586	18.12.8	B	9 12 „
18	34.964	22·40	81.1	30.55	80.2	.0773	.6554	18.11.5	B	10 12 „
19	34.278	22.57	82.3	30.25	81.1	.0800	·6521	18.09·8	B	11 12 „
20	34.072	22.44	83.0	30.15	81·8	.0780	.6510	18.09.7	B	Noon.
21	34.278	22.33	83.8	30.00	82·8	.0761	.6494	18.09.2	G	1 12 p. m.
22	34.346	22.28	84.0	29.86	83·3	.0754	.6478	18.08.7	G	2 12 „
23	34.278	22.25	84.7	29.68	84.0	.0749	.6458	18.08.0	G	3 12 „

DAILY OBSERVATIONS, FROM 12TH TO 15TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863
h.										h. m.
Nov. 12TH-Noon.	34·689	22.05	85°0	29.52	84°5	8.0715	2.6441	18°07·7	G	4 12 p. m.
1	34.278	21.89	83.7	29.67	84.1	.0689	.6457	18.08.8	C	5 12 ,,
2	34.209	21.72	82.5	30.00	83.2	.0661	.6494	18.10.5	C	6 12 ,,
3	34.346	21.64	82.0	30.17	82.5	.0648	.6512	18.11.3	C	7 12 ,,
4	34.346	21.49	81.3	30.17	82.0	.0624	.6512	18·11.7	C	8 12 ,,
5	34.552	21.35	80.3	30.24	81.2	.0600	.6520	18.12.4	B	9 12 ,,
6	34.621	21.47	80.3	30.28	81.0	.0620	.6524	18.12.2	B	10 12 ,,
7	34.837	21.43	79.6	30.22	80.6	.0614	.6518	18.12.2	B	11 12 ,,
8	34.837	21.52	79.0	30.25	80.0	.0628	.6521	18·12.0	B	Midnight.
9	34.346	21.78	78.8	30.39	79.5	.0671	.6536	18.12.2	G. L	1 12 a. m.
10	33.798	21.79	78.8	30.38	79·2	.0673	.6535	18.12.2	G. L	2 12 ,,
11	34.689	21.67	78.5	30.45	79.0	.0652	.6543	18.12.6	G. L	3 12 ,,
12	33.660	21.69	78.0	30.56	78.7	.0656	.6555	18.13.0	G. L	4 12 ,,
13	33.798	21.71	77.7	30·49	78.4	.0660	.6547	18.12.7	C	5 12 ,,
14	33.455	21.85	77.2	30.49	78.0	.0682	.6547	18.12.5	C	6 12 ,,
15	33.455	22.04	77.2	30.44	78.0	.0714	.6542	18.11.8	C	7 12 ,,
16	34.072	22.25	77.5	30.58	78.0	.0749	.6557	18.11.9	C	8 12 ,,
17	34.621	22.45	78.9	30.49	78.1	.0781	.6547	18.11.2	B	9 12 ,,
18	34.552	22.70	80.0	30.16	78.7	.0822	.6511	18·09.1	B	10 12 ,,
19	34.484	22.66	80.6	30.01	79.5	.0815	.6495	18.08.5	B	11 12 ,,
20	34.964	22.61	81.6	29.77	80.4	.0807	.6468	18.07.6	B	Noon.
21	35.718	22.56	83.3	29.54	81.2	.0799	.6443	18.06.8	G. L	1 12 p. m.
22	35.993	22.31	83.5	29.46	82.0	.0758	.6434	18.06.9	G. L	2 12 ,,
23	35.513	22.15	83·6	29.18	82.5	.0731	.6403	18.06.1	G. L	3 12 ,,
Nov. 13TH-Noon.	34.758	22.08	83.5	29.14	82.9	.0720	.6399	18.06.0	G. L	4 12 ,,
1	33.866	21·95	82.4	29.20	82.6	.0699	.6406	18.06.6	C	5 12 ,,
2	34.209	21.84	81.5	29·54	82.1	.0681	.6443	18.08.4	C	6 12 ,,
3	34.346	21.79	80.9	29.79	81.5	.0673	.6470	18.09.5	C	7 12 ,,
4	34.346	21.72	80.4	29.97	81.1	.0661	.6490	18.10.4	C	8 12 ,,
5	34.278	21.79	80.2	29.77	80.5	.0673	.6468	18.09·4	B	9 12 ,,
6	34.484	21.76	79.2	29.76	80·0	.0668	·6467	18.09.4	B	10 12 ,,
7	34·837	21.72	79.1	29.84	79.5	.0661	.6476	18.09.8	B	11 12 ,,
8	35.032	21.60	79.1	29.91	79.5	.0641	.6484	18.10.4	B	Midnight.
9	34.484	21.62	79.0	29.83	79.3	.0644	.6475	18.10.1	G	1 12 a. m.
10	34·278	21·75	78.6	29.96	79·0	.0666	.6489	18.10.2	G	2 12 ,,
11	34.141	21.54	78.0	29.95	78.2	·0632	.6488	18·10.7	G	3 12 ,,
12	34.141	21.49	77.7	29.94	78.0	.0624	.6487	18.10.8	G	4 12 ,,
13	33.798	21.62	77.1	29.88	77·5	.0644	.6480	18.10.3	C	5 12 ,,
14	33.455	21.71	76.4	29.97	77.2	.0660	.6490	18·10.4	C	6 12 ,,
15	33.249	21.82	76.4	30.00	77.0	.0677	.6494	18.10.3	C	7 12 ,,
16	33.112	22.05	77.3	30.07	77.4	.0715	.6501	18.10.0	C	8 12 ,,
17	34·141	22.49	78.0	29.94	78.0	.0788	.6487	18.08·6	G	9 12 ,,
18	33.660	22.89	79.9	29.78	78.5	.0853	.6469	18.07.4	G	10 12 ,,
19	33.798	22.91	81.0	29.28	79.4	.0857	.6414	18.05.2	G	11 12 ,,
20	35.101	22.64	82.6	29.27	80.5	.0812	.6413	18.05.9	G	Noon.
21	35.513	22.45	83.4	29·34	81.4	.0781	.6421	18.06.2	B	1 12 p.m.
22	35.650	22.04	83.2	29.11	81.9	.0714	.6396	18.06.1	B	2 12 ,,
23	35.375	21.77	83.5	28.83	82.5	.0669	.6365	18.07.4	B	3 12 ,,
Nov. 15TH-Noon.	35.238	21.59	85.0	28.14	84.5	.0640	.6289	18.02·8	G	4 12 ,,
1	35.513	21.12	83.8	28.39	83.8	.0562	.6316	18.04.9	G	5 12 ,,
2	36.404	20.72	82.9	28.56	83.2	.0497	.6335	18.06.5	C	6 12 ,,
3	36.130	20.46	82.2	28.60	82.7	.0455	.6340	18.07.2	C	7 12 ,,
4	35.050	20.81	81.9	28.56	82.3	.0512	.6335	18.06·4	C	8 12 ,,
5	35.718	20.87	81.2	28.76	82.0	.0521	·6357	18.07.1	B	9 12 ,,
6	35.238	21.02	80.5	28.70	81.6	.0546	·6351	18.06.4	B	10 12 ,,
7	35.307	20.89	80.5	28.73	81.5	.0525	.6354	18.06.8	B	11 12 ,,
8	34.964	21·09	80.5	28.74	81.2	.0588	·6355	18·06.5	B	Midnight.
9	35.101	21·09	80.2	28.79	81.0	.0588	.6360	18.06.6	G	1 12 a. m.
10	34.837	21.24	80.2	28.75	81.0	.0584	.6356	18.06.3	G	2 12 ,,
11	34.621	21.49	80.2	28.72	80.8	.0624	.6353	18.05.6	G	3 12 ,,

DAILY OBSERVATIONS, FROM 15TH TO 17TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Nov. 15TH—12	34·209	21.51	80°1	28.72	80°8	8.0627	2.6353	18°05′5	G	4 12 a. m.
13	33.935	21.35	80.0	28.70	80.5	.0600	.6351	18.05.8	C	5 12 „
14	34.209	21.39	79.5	28 72	80.2	.0607	.6353	18.05.8	C	6 12 „
15	33.935	21·33	79.3	28.87	80.0	·0597	.6369	18.06.4	C	7 12 „
16	34.484	21.53	80.7	28.90	80.4	.0630	.6373	18·06 2	C	8 12 „
17	34·827	21.85	82.5	28.44	81.4	.0682	.6322	18.03.6	B	9 12 „
18	34·895	22.06	84.2	27.98	82.5	.0717	.6271	18.01.0	B	10 12 „
19	34.415	22.31	85·6	27.41	83.7	.0758	.6209	17.58.1	B	11 12 „
20	34.827	22.27	87.0	27.47	85.1	.0752	.6215	17.58.2	B	Noon.
21	35.581	22.12	87.6	27.47	85.8	.0726	·6215	17·58.8	G	1 12 p. m.
22	35.993	22.06	87.6	27.53	86.0	.0717	.6227	17.59.4	G	2 12 „
23	35.581	21.71	87.5	27.55	86.8	.0660	.6224	18.00.0	G	3 12 „
Nov. 16TH-Noon.	36.336	21.45	87.2	27.65	87.0	.0617	.6235	18.01.0	G	4 12 „
1	34.689	21.50	86.1	27.59	86.2	.0625	.6228	18.00.6	C	5 12 „
2	34.689	21.51	85.1	27.66	85.6	.0627	.6236	18.00.9	C	6 12 „
3	35.032	21.28	84.6	27.86	85.4	.0590	.6258	18.02.3	C	7 12 „
4	35.032	21.32	84.2	27.90	85.0	.0595	.6263	18.02.3	C	8 12 „
5	34.964	21.37	83.7	27.94	84.6	.0603	.6267	18.02.5	B	9 12 „
6	34.827	21.48	83.5	27.98	84.3	.0622	.6271	18.02.3	B	10 12 „
7	35.101	21.48	83.3	28.06	83.7	.0622	.6280	18.02.7	B	11 12 „
8	34.964	21.56	83.1	28.01	83.5	.0635	.6275	18.02.3	B	Midnight.
9	34.827	21.65	82.8	27.96	83.3	.0649	.6269	18.01.8	G	1 12 a. m.
10	34.621	21.62	82.6	27.97	83.0	.0644	.6270	18.02.1	G	2 12 „
11	34.141	21.63	82.4	27.99	82.9	.0646	.6272	18.01.9	G	3 12 „
12	33.729	21.65	82 2	27.98	82 8	.0649	.6271	18.01.9	G	4 12 „
13	33.729	21.70	81.9	27.99	82.2	.0658	.6272	18.01.8	C	5 12 „
14	33.935	21.64	81.5	27.96	82.0	.0648	.6269	18.01.8	C	6 12 „
15	34.141	21.69	81.7	28.06	82.0	.0656	.6280	18.02 2	C	7 12 „
16	35.101	21.76	82.3	28.07	82.4	.0668	.6281	18.02.1	C	8 12 „
17	35.581	22.01	83.5	27.68	82.7	.0709	.6238	18.00.0	B	9 12 „
18	35 513	22.21	84·5	27.21	83.5	.0743	.6187	17.57.6	B	10 12 „
19	34.552	22.30	85.7	26.85	84.5	.0756	.6147	17.55.8	B	11 12 „
20	34.278	22.31	86.5	26.86	85.3	.0758	.6148	17.55.8	B	Noon.
21	34.415	22.15	86.8	26.87	85.7	.0731	.6149	17.56.2	G	1 12 p. m.
22	34.895	22.13	87.0	26.88	86.0	.0728	.6150	17.56 3	G	2 12 „
23	34.758	21.91	86.8	26.93	86.1	.0693	.6156	17.57.0	G	3 12 „
Nov. 17TH-Noon.	35.993	21.77	86.2	27.06	86.0	.0669	.6170	17.57.3	G	4 12 „
1	34.827	21.75	85.4	27.16	85.8	.0666	.6181	17.58.2	C	5 12 „
2	34.415	21.31	84.5	27.36	85.3	.0594	.6203	18.00.1	C	6 12 „
3	35.238	21.37	84.0	27.37	85.0	.0603	.6204	18.00.0	C	7 12 „
4	34.689	21.31	83.7	27.31	84.5	.0594	.6198	17.59.9	C	8 12 „
5	34.415	21.46	83.5	27.42	84.0	·0619	.6210	18.00.0	B	9 12 „
6	34.758	21.32	83.1	27.41	83.7	.0595	.6209	18.00.2	B	10 12 „
7	34 415	21.49	83.1	27.41	83.5	.0624	.6209	17.59.8	B	11 12 „
8	34.689	21.62	82.9	27.41	83 5	.0644	.6209	17.59.7	B	Midnight.
9	34.827	21.70	82.5	27.40	83.2	.0658	.6208	17.59.4	G	1 12 a. m.
10	34.621	21.68	82.4	17.39	83.0	.0654	.6206	17.59.4	G	2 12 „
11	34.141	21.61	82.0	27.39	82.9	.0643	.6206	17.59.6	G	3 12 „
12	33.866	21.71	82.0	27.34	82.8	.0660	.6201	17.59.1	G	4 12 „
13	33.386	21.72	82.0	27.34	82.7	.0661	.6201	17.59.1	C	5 12 „
14	33.935	21.72	81.8	27.28	82.5	.0661	.6194	17.58.8	C	6 12 „
15	34.209	21.72	81.7	27.25	82.3	.0661	.6191	17.58.7	C	7 12 „
16	34.552	21.97	82.5	27.16	82.6	.0702	.6181	17.57.8	C	8 12 „
17	34.895	22.22	83.9	27.04	83.0	.0744	.6168	17·56 8	B	9 12 „
18	34.895	22.42	85.0	26.66	83.7	.0776	.6126	17.54.7	B	10 12 „
19	34.415	22.48	85.7	26.36	84.6	.0786	.6093	17.53.2	B	11 12 „
20	34.621	22.41	87.1	26.33	85.9	.0775	.6090	17.53·3	B	Noon.
21	35.032	22.30	87.7	26.40	86.6	.0756	.6098	17.53.8	G	1 12 p. m.
22	34.964	22.22	88.5	26.42	87.2	.0744	.6100	17.54.2	G	2 12 „
23	34.964	22.00	88.6	26.31	87.6	.0707	.6088	17.54.1	G	3 12 „

DAILY OBSERVATIONS, FROM 18TH TO 20TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Nov. 18TH-Noon.	34·689	21.88	88·2	26.23	87·8	8.0687	2.6079	17°53·9	G	4 12 p.m.
1	34.072	21.74	87.1	26.31	87.3	.0665	.6088	17.54.6	C	5 12 „
2	34.415	21.60	86.0	26.45	86.7	.0641	.6103	17.55.6	C	6 12 „
3	34·621	21.51	85.2	26.48	86.2	.0627	.6106	17.55.8	C	7 12 „
4	34.484	21.46	84.7	26.46	85.8	.0619	.6104	17.55.8	C	8 12 „
5	34.621	21.54	84.5	26 36	85.3	.0632	.6093	17.55.3	B	9 12 „
6	34.552	21.54	84.1	26.45	85.1	.0632	.6103	17.55.7	B	10 12 „
7	34.415	21.65	84.1	26.48	84.7	.0649	.6106	17.55.5	B	11 12 „
8	34·415	21·52	84.0	26.49	84.5	.0628	.6107	17.55.9	B	Midnight.
9	34.072	21.51	83.6	26.50	84.1	.0627	.6109	17.55.9	G	1 12 a.m.
10	34.278	21.59	83.0	26.51	83.8	.0640	.6110	17·55.9	G	2 12 „
11	34.346	21.65	82.8	26.59	83.5	.0649	.6118	17.56.0	G	3 12 „
12	33.455	21.71	82.5	26.29	63.1	.0660	.6085	17.54.6	G	4 12 „
13	32.974	21.79	82.3	26.34	83.0	.0673	.6091	17.54.7	C	5 12 „
14	33.455	21.86	82.0	26.27	82.8	.0684	.6083	17.54.3	C	6 12 „
15	33.112	22·05	81.8	25.93	82.7	.0715	.6046	17.52.3	C	7 12 „
16	33.180	22.35	82.7	25.96	82.9	.0764	.6049	17.51.9	C	8 12 „
17	34.003	22.67	84.1	25.75	83·4	.0816	.6026	17.50.6	B	9 12 „
18	33.866	22.94	84.7	25.67	84·0	.0862	.6017	17.49.9	B	10 12 „
19	33.935	23.05	86.1	25.47	85·0	.0879	.5995	17.48.7	B	11 12 „
20	34.415	22.94	87.0	25.45	86.4	.0862	.5993	17.48.8	B	Noon.
21	35.170	22.77	87.7	25.33	87.0	.0833	.5980	17.48.7	G	1 12 p.m.
22	35.444	22.63	88.3	25.17	87.8	.0810	.5962	17.48.2	G	2 12 „
23	34.895	22.61	89.4	24.96	88.0	.0807	.5939	17.47.4	G	3 12 „
Nov. 19TH-Noon.	34.346	22.29	88.8	24.84	88.0	.0756	.5926	17.47.1	G	4 12 „
1	34.209	22.07	87.0	25.18	87.6	.0718	.5963	17.49.0	C	5 12 „
2	34.621	22.02	86.2	25.30	86.9	.0710	.5977	17.49.8	C	6 12 „
3	34.621	21.51	85·3	25.31	86.2	.0627	.5978	17.50.8	C	7 12 „
4	34.827	21.19	85.0	25.43	86.0	.0574	.5991	17.52.1	C	8 12 „
5	33.729	21.14	84.4	25.39	85.5	.0566	.5986	17.51.9	B	9 12 „
6	34.484	21.34	84.4	25.40	85.1	.0599	.5988	17.51.6	B	10 12 „
7	35.170	21.48	83.8	25.44	84.6	.0622	.5992	17.51.4	B	11 12 „
8	35·856	21.51	83.4	25.42	84·5	.0627	.5990	17.51.3	B	Midnight.
9	36.336	21.54	83·3	25.45	84.0	.0632	.5993	17.51.4	G	1 12 a.m.
10	35.787	21.70	83.0	25.41	83.8	.0658	.5989	17.50.8	G	2 12 „
11	35.581	21.62	82.6	25.61	83.5	.0644	.6011	17.52.0	G	3 12 „
12	35.170	21.84	82.5	25.52	83.3	.0681	.6001	17.51.1	G	4 12 „
13	34.827	21.71	82.4	25.47	83.0	.0660	.5995	17.51.1	C	5 12 „
14	34.552	21.85	81·9	25.44	82.9	.0682	.5992	17.50.7	C	6 12 „
15	33.660	21.99	81.7	25.55	82.7	.0706	.6004	17.50·8	C	7 12 „
16	33·660	22.38	82.6	25.68	83.0	.0769	.6018	17.50.6	C	8 12 „
17	34.827	22.44	83.3	25.84	83.0	.0780	.6036	17.51.2	B	9 12 „
18	35·238	22.63	84.6	25.66	83.7	.0810	.6016	17.50.4	B	10 12 „
19	35.307	22.65	86.1	25.39	85.0	.0813	.5986	17.49.2	B	11 12 „
20	35.375	22.58	87.3	25.18	86.1	.0802	.5963	17.47.4	B	Noon.
21	35.993	22.39	88.0	25.26	87.0	.0771	.5972	17.48.7	G	1 12 p.m.
22	35.650	22.23	88.3	24.99	87.7	.0746	.5942	17.47.8	G	2 12 „
23	34.895	22.19	88.5	24.62	88.0	·0738	.5902	17.46.4	G	3 12 „
Nov. 20TH-Noon.	34.209	22.10	88.2	24.81	88.2	.0723	.5923	17.48.2	G	4 12 „
1	34.552	22.06	87.5	24.87	87.9	.0717	.5929	17.48.4	C	5 12 „
2	34.415	21.96	86.5	25.18	87·1	.0701	.5963	17.50.0	C	6 12 „
3	35.375	21.86	85.8	25.14	86.2	.0684	.5959	17.50.2	C	7 12 „
4	35.375	21.79	85.0	25.14	86.0	.0673	.5959	17.50.3	C	8 12 „
5	35.375	21·81	84.5	25.17	85.5	.0676	.5962	17.49.6	B	9 12 „
6	35.258	21.76	84.5	25.16	85.3	.0668	.5961	17.50.3	B	10 12 „
7	35.856	21.76	84.1	25.14	84.7	.0668	.5959	17.50.3	B	11 12 „
8	35.856	21.69	83.3	25.02	84.1	.0656	.5946	17.49.9	B	Midnight.
9	35.444	21.78	83.2	25.12	84.0	.0671	.5957	17.50.3	G	1 12 a.m.
10	35.170	21.84	83.0	25.11	83·6	·0681	.5956	17.50.1	G	2 12 „
11	33.798	21.85	82·8	25.10	83.3	.0682	.5955	17.50.1	G	3 12 „

DAILY OBSERVATIONS, FROM 20TH TO 23RD NOVEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
Nov. 20TH—12	34·484	21.80	82°5	25.09	83°0	8.0674	2.5953	17°50′1	G	4 12 a.m.
13	33·798	21.95	82.0	25.03	82.8	.0699	.5947	17.49.5	C	5 12 „
14	34.484	21.99	81.8	25.01	82 6	.0706	.5945	17·49.3	C	6 12 „
15	33.866	22.02	81·8	24.99	82.3	.0710	.5942	17.49.1	C	7 12 „
16	34.072	22.14	82.3	24.98	82.7	·0730	.5941	17.48.8	C	8 12 „
17	34.346	22.34	83.6	24.64	83.1	.0763	.5904	17·46.9	B	9 12 „
18	34.621	22.45	85.1	24.41	83.7	.0781	.5879	17.45.8	B	10 12 „
19	34.552	22.30	85.6	24.44	84·5	.0756	.5882	17.46.1	B	11 12 „
20	34.415	22.35	86.9	24.22	85.6	.0764	.5858	17.45.3	B	Noon.
21	34.827	22.22	87·7	24.20	86.5	.0744	.5856	17·45.5	G	1 12 p.m.
22	34.758	22.18	88·4	24.05	87.0	.0736	.5839	17.44.8	G	2 12 „
23	34.278	22.04	88·0	23.91	87.5	.0714	.5824	17.44.6	G	3 12 „
Nov. 22ND—Noon.	34.415	22.14	87.5	23·71	87°6	.0730	.5802	17.43·4	C	4 12 „
1	33.660	21.90	86.5	23.71	87.1	.0691	.5802	17.43.8	C	5 12 „
2	33.935	21.57	85.3	24.03	86·2	.0636	.5837	17.46.0	C	6 12 „
3	33.729	21.78	84.4	24.09	85.4	.0671	·5843	17·45·8	C	7 12 „
4	34.415	21.51	84.0	24.12	85.0	.0627	.5847	17·46·5	C	8 12 „
5	35.032	21.37	83.3	24.21	84.2	.0603	.5857	17.47.3	B	9 12 „
6	35.170	21.37	82.6	24.19	83.5	.0603	.5854	17.47·1	B	10 12 „
7	35.170	21.51	82.3	24.02	83.3	·0627	·5836	17.46.0	B	11 12 „
8	34.758	21.51	82.1	24·04	83.0	·0627	.5838	17.46.1	B	Midnight.
9	34.209	21.71	82.0	24.06	82.8	.0660	.5840	17.45.8	G	1 12 a.m.
10	34.346	21.62	81.8	24.08	82.5	.0644	.5842	17.46·1	G	2 12 „
11	34.415	21.64	81.6	24.07	82.3	.0648	.5841	17.45.9	G	3 12 „
12	34.621	21.60	81.4	24.06	82.1	.0641	.5840	17.46·1	G	4 12 „
13	34.141	21.73	81.0	24.26	82.0	.0663	.5862	17.46.5	C	5 12 „
14	35.513	21.95	80.9	24.27	81.7	·0699	.5863	17.46·2	C	6 12 „
15	33.455	22·17	81.0	24.20	81.6	·0734	.5856	17.45·6	C	7 12 „
16	32.357	22.71	81.9	24.17	82.0	.0824	.5852	17.44.3	C	8 12 „
17	33.455	23.18	83.2	23.99	82.3	.0900	·5832	17.42.5	B	9 12 „
18	33.180	23.32	84.5	23.74	83.1	.0925	.5805	17.41.1	B	10 12 „
19	33.180	23.28	85.5	23.67	83.9	.0918	.5797	17.40.9	B	11 12 „
20	33.592	23·10	86.4	23.60	84.9	.0887	.5790	17.41.0	B	Noon.
21	34.484	22.71	86.7	23·65	85.0	.0824	·5795	17.42.1	G	1 12 p.m.
22	34.689	22.49	86.8	23·64	86.6	.0788	.5794	17.42.3	G	2 12 „
23	34.964	22.47	86·8	23.46	86.6	.0784	.5774	17·41.7	G	3 12 „
Nov. 23RD—Noon.	34.072	22·17	86.0	23.44	86.3	.0734	.5772	17.42.2	G	4 12 „
1	33.798	22.02	84.7	23.56	85.6	.0710	.5781	17.42.9	C	5 12 „
2	34.141	21.90	83·6	23.77	84·6	.0691	.5808	17.44.1	C	6 12 „
3	34.209	21.94	83.1	23.87	84.1	.0698	.5819	17.44.5	C	7 12 „
4	34.758	21.94	83·0	23·89	83.8	·0698	.5821	17.44.6	C	8 12 „
5	34.346	21·93	82.1	23.90	83·2	.0696	.5823	17.44.7	B	9 12 „
6	34.689	21.99	81·9	24.03	82.8	.0706	.5837	17.45.2	B	10 12 „
7	34.552	21.94	81.9	24.08	82·8	.0698	.5842	17.45.4	B	11 12 „
8	34.827	21·96	82.0	24.08	82.6	.0701	·5842	17.45.4	B	Midnight.
9	34.689	21.97	82.0	24·08	82.5	.0702	.5842	17.45.4	G	1 12 a.m.
10	35·238	21.87	81.8	24.32	82.3	.0684	.5869	17.46 6	G	2 12 „
11	34·827	22·22	81.5	24.58	82.0	.0744	.5897	17.47.1	G	3 12 „
12	35.101	22.02	81.2	24.61	81.9	.0710	.5901	17.47.5	G	4 12 „
13	33·455	21·94	80.2	24.30	81.5	.0698	.5867	17.47.4	C	5 12 „
14	32.700	21.83	79.6	24.50	80.9	.0679	·5889	17.47.4	C	6 12 „
15	32.769	21.75	79.6	24.57	80.3	.0666	.5896	17.47.9	C	7 12 „
16	32·906	22.18	81.0	24.62	81.0	.0736	.5902	17.47.1	C	8 12 „
17	33.866	22.35	82.5	24.40	81.5	.0764	.5878	17.46.0	B	9 12 „
18	34.552	22.48	83.5	24.32	82.3	.0786	.5869	17.45.2	B	10 12 „
19	34.552	22·51	84.5	24.11	83.0	.0791	.5846	17.44.4	B	11 12 „
20	35.101	22.31	84.5	24.30	83.4	.0758	.5867	17.45.6	B	Noon.
21	35·581	22.20	84.7	24.13	83.8	.0741	.5848	17.45.2	G	1 12 p.m.
22	35.513	22.09	84·9	23.96	84.0	·0722	.5829	17.44.6	G	2 12 „
23	35·513	21.96	84.8	23.82	84.5	.0701	.5814	17.44.3	G	3 12 „

DAILY OBSERVATIONS, FROM 24TH TO 26TH NOVEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Nov. 24TH-Noon.	34°827	21.74	83°8	23.73	84°2	8.0665	2.5804	17°44'2	G	4 12 p. m.
1	34.621	21 57	82.4	23.95	83.4	.0636	.5828	17.45.6	C	5 12 „
2	34.346	21.51	81.6	24.13	82.7	.0627	.5848	17.46.5	C	6 12 „
3	34.552	21.56	81.3	23.82	82.2	.0635	.5814	17.45.0	C	7 12 „
4	34.689	21.47	80.8	23.82	82.0	.0620	.5814	17.45.2	C	8 12 „
5	34 484	21.52	80.0	23.94	81.3	.0628	.5827	17.45.7	B	9 12 „
6	34.827	21.55	80.0	24.04	81.3	.0633	.5838	17.46.1	B	10 12 „
7	35.170	21.60	80.0	24.06	81.2	.0641	.5848	17.46.1	B	11 12 „
8	34.758	21.55	79.6	24.02	80.6	.0633	.5836	17.46.0	B	Midnight.
9	35.513	21.91	79.8	24.02	80.8	.0693	.5836	17.45.2	G	1 12 a.m.
10	35 513	21.61	79.3	24.01	80.3	.0643	.5835	17.45.9	G	2 12 „
11	35.170	21.64	78.3	24.18	79.7	.0648	.5853	17.46.4	G	3 12 „
12	35.170	21.48	77.4	24.37	79.0	.0622	.5874	17.47.5	G	4 12 „
13	34.141	21.60	76.6	24.59	78.0	.0641	.5898	17 48.3	G	5 12 „
14	34.415	21.62	75.8	24.51	77.5	.0644	.5890	17.48.0	C	6 12 „
15	33.386	21.92	75.3	24.57	76.9	.0694	.5896	17.47.5	C	7 12 „
16	32 906	22.25	76.0	24.60	77.0	.0749	.5900	17.46.9	C	8 12 „
17	34.003	22.40	77.5	24.57	77.4	.0773	.5896	17.46.6	C	9 12 „
18	33.455	22.69	79.0	24.26	78.0	.0820	.5862	17.44.6	B	10 12 „
19	33.386	22.75	80.4	24.32	79.0	.0830	.5869	17.44 8	B	11 12 „
20	34.209	22.77	82.0	24.22	80.0	.0833	.5858	17.44.5	B	Noon.
21	35.856	22.34	83.0	24.03	81.0	.0763	.5837	17.44.5	G	1 12 p. m.
22	35.307	22.26	83.4	23.88	81.9	.0751	.5820	17.43.9	G	2 12 „
23	34.689	22.19	83.5	23.56	82.5	.0738	.5785	17.42.7	G	3 12 „
Nov. 25TH-Noon.	33.935	22 06	83.0	23.58	82.7	.0717	.5787	17.43 0	G	4 12 „
1	33.935	21.86	81.5	23.81	82.0	.0684	.5813	17.44.5	C	5 12 „
2	34.758	21.45	80.6	24.12	81.1	.0617	.5847	17.46.6	C	6 12 „
3	34.484	21.29	79.6	24.22	80.5	.0592	.5858	17.47.4	C	7 12 „
4	35.375	21.34	79.2	24.29	80.3	.0599	.5865	17.47.5	C	8 12 „
5	35.581	21.02	79.1	24.39	79.5	.0546	.5876	17.48.5	B	9 12 „
6	35.238	20.94	78.5	24.39	79.1	.0534	.5876	17.48.8	B	10 12 „
7	35.581	21.16	78.1	24.22	78.6	.0569	.5858	17.47.7	B	11 12 „
8	35.718	21.30	77.5	24.22	78.2	.0592	.5858	17.47.4	B	Midnight.
9	35.307	21.26	77.0	24.29	78.0	.0587	.5865	17.47.6	G	1 12 a. m.
10	35.513	21.37	76.8	24.31	77.5	.0603	.5868	17.47.6	G	2 12 „
11	36.267	21.33	76.0	24.31	77.0	.0597	.5868	17.47.6	G	3 12 „
12	35.050	21.43	75.7	24.45	76.6	.0614	.5883	17.48.1	G	4 12 „
13	35.101	21.37	75.0	24.55	76.1	.0603	.5894	17.48.6	C	5 12 „
14	34.072	21.49	74.5	24.57	75.6	.0624	.5896	17.48.4	C	6 12 „
15	33.592	21.82	74.1	24.77	75.1	.0677	.5918	17.48.6	C	7 12 „
16	32.769	22.14	75.8	24.73	75.7	.0730	.5914	17.47.7	C	8 12 „
17	33.112	22.30	77.5	24.55	76.5	.0756	.5894	17.46.6	B	9 12 „
18	33.386	22.36	79.2	24.48	77.4	.0766	.5886	17.46.2	B	10 12 „
19	33.866	22.29	80.2	24.19	78.3	.0756	.5854	17.45.1	B	11 12 „
20	34.141	22.32	80.9	24.15	78.9	.0759	.5850	17.45.0	B	Noon.
21	34.827	22.24	81.5	23.98	79.4	.0748	.5831	17.44.3	G	1 12 p. m.
22	35.170	22.09	82.0	23.93	80.3	.0722	.5826	17.44.5	G	2 12 „
23	35.032	21.94	82.5	23.53	81.1	.0698	.5782	17.43.0	G	3 12 „
Nov. 26TH-Noon.	34.621	21.93	82.6	23.47	81.5	.0696	.5775	17.42.8	G	4 12 „
1	34.346	21.78	81.6	23.68	81.2	.0671	.5798	17.44.1	C	5 12 „
2	34.758	21.71	80.5	24.00	80.6	.0660	.5834	17.45.5	C	6 12 „
3	34.964	21.65	80.0	24.11	80.4	.0649	.5846	17.46.1	C	7 12 „
4	34.758	21.54	79.5	24.10	80.0	.0632	.5845	17.46.4	C	8 12 „
5	34.964	21.64	79.1	24.23	79.4	.0648	.5859	17.46.6	B	9 12 „
6	35.101	21.69	79.1	24.23	79.3	.0656	.5859	17.46.5	B	10 12 „
7	35.032	21.74	78.7	24.12	79.0	.0665	.5847	17.46.0	B	11 12 „
8	35.238	21.66	78.0	24.18	78.5	.0651	.5853	17.46.4	B	Midnight.
9	35.513	21.73	77.4	24.25	78.2	.0663	.5861	17.46.5	G	1 12 a.m.
10	35.238	21.76	77.0	24.25	77.8	.0668	.5861	17.46.4	G	2 12 „
11	35.170	21.68	76.5	24.22	77.2	.0654	.5858	17.46.6	G	3 12 „

DAILY OBSERVATIONS, FROM 26TH TO 28TH NOVEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
Nov. 26TH—12	34°827	21.63	76°3	24.30	76°8	8.0646	2.5367	17°46'9	G	4 12 a. m.
13	34.278	21.61	75·4	24.31	76.6	.0643	.5868	17.47.1	C	5 12 „
14	34.141	21.61	75·1	24.34	76·2	.0643	.5871	17.47.2	C	6 12 „
15	33.523	21.87	75.3	24.19	76·0	.0685	.5854	17.45.9	C	7 12 „
16	33.317	22.38	77.1	24.23	76.6	.0769	.5859	17.45.2	C	8 12 „
17	33.455	22.65	78.6	24.07	77.4	.0813	.5841	17.44.1	B	9 12 „
18	33.935	22.97	79.7	23.72	78.1	.0833	.5803	17.42.3	B	10 12 „
19	33·523	22.88	81.1	23.52	79.0	.0851	.5781	17.41.1	B	11 12 „
20	34.003	22.81	82.5	23.51	80·2	.0840	.5780	17.41.3	B	Noon.
21	34.827	22.58	83.2	23.31	81.0	.0802	.5758	17.41.0	G	1 12 p. m.
22	35.238	22.44	83.7	23.17	81.8	.0780	.5742	17.40.5	G	2 12 „
23	35.444	22.25	83.8	23·06	82.1	.0749	.5730	17.40.4	G	3 12 „
Nov. 27TH-Noon.	35.101	22.05	83.0	23.08	82.5	.0715	.5732	17.40.8	G	4 12 „
1	34.689	21.96	81.8	23.21	82.0	.0701	.5747	17.41.8	C	5 12 „
2	34.552	21.92	81.0	23.53	81.4	.0694	.5782	17.43.1	C	6 12 „
3	34.689	21.87	80.5	23.73	81.0	.0685	.5804	17.43.9	C	7 12 „
4	34.552	21.79	80.1	23.77	80.5	.0673	.5808	17.44.4	C	8 12 „
5	34.552	21.71	79.6	24.00	80.0	.0660	.5834	17.45.5	B	9 12 „
6	34.758	21.72	79.0	24.09	79.5	.0661	.5843	17.45.9	B	10 12 „
7	34.895	21.73	78.5	24.17	79.0	.0663	.5852	17.46.2	B	11 12 „
8	34.689	21.83	78.5	24.19	78.9	.0679	.5854	17.46.1	B	Midnight.
9	34.689	22.06	78.4	24.16	78·5	.0717	.5851	17.45.5	G	1 12 a. m.
10	34.278	22.04	78.0	24.05	78.4	.0714	.5839	17.45.2	G	2 12 „
11	34.141	22.12	78.3	23.70	78.4	.0726	.5801	17.43.4	C	3 12 „
12	33.798	22.11	78.3	23.68	78.4	.0725	.5798	17.43.3	C	4 12 „
13	33.728	22.07	77.6	23.90	78.2	.0718	.5823	17.44.4	B	5 12 „
14	33.728	22.20	77.5	23.82	77.9	.0741	.5824	17.43.8	B	6 12 „
15	33.592	22.35	77.8	23.88	77.9	.0764	.5820	17.43.8	G	7 12 „
16	33.592	22.58	78.5	23.84	78.0	.0802	.5816	17.43.2	G	8 12 „
17	34.278	22.86	79.8	23.58	79.0	.0848	.5787	17.41.4	C	9 12 „
18	34.552	23.10	81.3	23.34	79.6	.0887	.5761	17.39.8	C	10 12 „
19	34.552	23.02	82.4	23.09	80.3	.0874	.5733	17.39.1	B	11 12 „
20	34.827	23.01	83.4	23.02	81.3	.0873	.5723	17.38.7	B	Noon.
21	35.650	22.95	84.0	23.06	82.0	.0863	.5730	17.39.1	G	1 12 p. m.
22	35.581	22.66	84.5	22.90	82.5	.0815	.5713	17.38.9	G	2 12 „
23	35·307	22.57	84.6	22.68	83.1	.0800	.5688	17.38.2	C	3 12 „
Nov.-28TH Noon.	35.170	22.29	84.0	22.69	83.4	.0756	.5689	17.38.6	C	4 12 „
1	34.827	22.04	82.7	22.84	83.0	.0714	.5706	17.40.0	B	5 12 „
2	34.689	21.91	81.5	23.01	82.0	.0693	.5725	17.41.0	B	6 12 „
3	34.552	21.80	81.2	23.13	81.5	.0674	.5738	17.41.8	G	7 12 „
4	34.415	21.89	81.0	23.19	81.2	.0689	.5744	17.41.7	G	8 12 „
5	34.346	21.84	80.5	23.14	81.0	.0681	.5739	17.41.7	C	9 12 „
6	34.484	21.73	79.9	23.31	80.5	.0663	.5758	17.42.7	C.	10 12 „
7	34.552	21.71	79.5	23.39	80.2	.0660	.5766	17.42.9	B	11 12 „
8	34.689	21.77	79.0	23.53	79.8	.0669	.5782	17.43.4	B	Midnight.
9	34.552	21.87	79.0	23·59	79.5	.0685	.5788	17.43.4	G	1 12 a. m.
10	34.552	21.93	78.8	23.62	79.0	.0696	.5792	17.43.4	G	2 12 „
11	34.278	21.94	78.8	23.77	79.0	.0693	.5808	17.44.1	G	3 12 „
12	34.278	22.07	79.0	23.72	79.2	.0718	.5803	17.43.6	G	4 12 „
13	34.072	22.01	78.5	23.67	79.0	.0709	.5797	17.43.6	C	5 12 „
14	34.346	22.02	78.0	23.71	78.7	.0710	.5802	17.43.7	C	6 12 „
15	34.141	22.02	77.7	23.67	78·4	.0710	.5797	17.43.6	C	7 12 „
16	34.141	22.20	78.9	23.62	79.0	.0741	.5792	17.42.9	C	8 12 „
17	33.798	22.54	80.2	23.23	79.2	.0796	.5749	17.40.6	B	9 12 „
18	33.112	22.84	81.6	22.80	79.9	.0845	.5702	17.38.0	B	10 12 „
19	32.563	22.84	81.8	22.82	80.5	.0845	.5704	17.38.1	B	11 12 „
20	32.769	22.87	82.4	22.93	81.0	.0849	.5716	17.38.6	B	Noon.
21	33.798	22.55	82.3	23.02	81.4	.0797	.5726	17.39.7	G	1 12 p. m.
22	34.141	22.30	83.4	22.88	82.0	.0756	.5710	17.39.5	G	2 12 „
23	34.895	22.35	83.5	22.88	82·5	.0746	.5710	17.39.6	G	3 12 „

DAILY OBSERVATIONS, FROM 30TH NOVEMBER TO 2ND DECEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
Nov. 30TH-Noon.	34·346	21.98	84·5	22.42	84·0	8.0704	2.5660	17°38'3	B	4 12 p. m.
1	35.032	21.81	83.1	22.69	83.5	.0676	.5689	17.39,7	C	5 12 „
2	35.032	21·52	82.1	22.81	83·0	.0628	.5703	17.40.9	C	6 12 „
3	35·375	20.88	81.5	22.93	82.4	.0523	.5716	17.42.7	C	7 12 „
4	35.444	20·63	81.0	22.94	82.0	.0482	.5717	17.43.3	C	8 12 „
5	35.993	20.79	80.5	23.00	81.6	.0509	.5724	17.43.2	B	9 12 „
6	35.993	20.87	80.1	22.98	81.0	.0522	.5721	17.42.9	B	10 12 „
7	35.238	21.16	79.8	22.87	80.6	.0569	.5709	17.41.8	B	11 12 „
8	35.032	21.33	79.8	23.02	80.5	.0597	.5726	17.42.2	B	Midnight.
9	34.895	21.31	79.8	23.01	80.4	.0594	.5725	17.42.2	G	1 12 a. m.
10	34.621	21.40	79.8	22.95	80.3	.0609	.5718	17.41.8	G	2 12 „
11	34·209	21.51	79.7	22.90	80·0	.0627	.5713	17.41.3	G	3 12 „
12	32.769	21·78	79.6	22.84	80.0	.0671	.5706	17.40.5	G	4 12 „
13	33.180	21.77	79.2	22.89	80.0	·0670	.5711	17·40.7	C	5 12 „
14	34.346	21.91	79.1	22.97	79.8	.0693	.5720	17.40.8	C	6 12 „
15	33.523	21.75	79·1	23.45	79.6	.0666	.5773	17.43·1	C	7 12 „
16	33·729	22.05	80.0	23.79	79.9	.0715	.5810	17.43.9	C	8 12 „
17	34.141	22.12	81.0	23.91	80·4	.0726	·5824	17.44.3	G	9 12 „
18	33·523	22.11	81.9	23.75	81.0	.0725	.5806	17.43.6	G	10 12 „
19	33.112	22.26	83.0	23.60	82.0	.0750	.5790	17.42·7	G	11 12 „
20	34.621	22·03	83.8	23.59	82.9	.0712	.5788	17.43.2	G	Noon.
21	35.718	21.73	84.7	23.36	83.5	.0663	.5763	17.42.8.	B	1 12 p. m.
22	36.199	21.82	85.4	23.14	84.5	.0677	.5739	17.41.7	B	2 12 „
23	35.581	21.92	85.6	22·91	85.3	.0694	.5714	17.40.5	B	3 12 „
Dec. 1ST-Noon.	35.856	21.50	85.6	22.87	85.6	.0625	.5709	17.41.1	B	4 12 „
1	36.061	21.62	85.0	23·15	85·0	·0644	.5740	17.42.3	G	5 12 „
2	35.650	21.33	83.8	23.51	83.7	.0597	.5780	17.44·1	G	6 12 „
3	35·513	21.68	82.6	23.48	82·6	.0654	.5772	17.43.2	G	7 12 „
4	35·551	21.70	81.9	22.91	82.0	.0658	.5714	17.40.9	G	8 12 „
5	36.610	21.40	80.9	22.80	81.8	.0609	.5702	17.41.1	B	9 12 „
6	34.689	21.43	79.9	22.75	81.3	.0614	.5696	17.40.9	B	10 12 „
7	34.827	21.49	79.1	22.98	80.5	.0624	.5721	17.41.7	B	11 12 „
8	35.238	21·65	78.6	22.95	80·1	.0649	.5718	17·41.2	B	Midnight.
9	35.581	21.81	78.3	23.14	79.5	.0676	.5739	17.41.7	C	1 12 a. m.
10	35.513	21·75	77.8	23.07	79.1	.0666	.5731	17.41.5	C	2 12 „
11	35.307	21.48	77.2	23·11	78.5	.0622	.5736	17.42.4	C	3 12 „
12	35.375	21.57	77.2	23·15	78.2	.0637	.5740	17.42.3	C	4 12 „
13	33.935	21.66	77.0	23.04	78.0	.0651	.5728	17.41.6	G	5 12 „
14	33.386	21·64	76.9	23.19	77.9	.0648	.5744	17·42.2	G	6 12 „
15	33.112	21.71	77.0	23.39	77.8	.0660	.5766	17.43.0	G	7 12 „
16	32.426	21.97	77.9	23.44	78.0	.0703	.5772	17.42.6	G	8 12 „
17	33.935	22.27	79.2	23.40	78.7	.0752	·5768	17.41.8	B	9 12 „
18	34.209	22·53	80.3	23.20	79·3	.0794	.5746	17.40.5	B	10 12 „
19	34.072	22.49	81.3	22.77	80.2	.0788	.5698	17.38.6	B	11 12 „
20	34.278	22·59	82.6	22.68	81.2	.0804	.5688	17.38.2	B	Noon.
21	34.964	22.69	83·8	22.37	82.3	.0820	.5654	17.36.6	C	1 12 p. m.
22	35·650	22.84	85.5	22.16	83.5	.0845	.5631	17.35.3	C	2 12 „
23	35.650	22.41	84·9	22·28	83.4	.0775	.5644	17.36.7	C	3 12 „
Dec. 2ND-Noon.	35.513	21.31	84.0	22.35	83.2	.0594	.5652	17.39.3	C	4 12 „
1	36.336	21.41	83.1	22.53	83.0	.0611	.5672	17.39.9	G	5 12 „
2	36.061	21.39	82.1	22.57	82.5	.0607	.5676	17.40.1	G	6 12 „
3	35.993	21·62	81.8	22.59	81.8	·0644	.5678	17.39.8	G	7 12 „
4	35.650	21.19	80·2	22.78	81.0	.0574	.5699	17.41.4	G	8 12 „
5	36.473	20.83	80.0	22.90	80.7	.0532	.5713	17.42.5	C	9 12 „
6	35.856	20·76	80.0	22.94	80.6	.0504	.5717	17.43.1	C	10 12 „
7	35.650	21.11	79.5	23.01	80.4	.0561	.5725	17.42.6	C	11 12 „
8	35.307	21.48	78.8	23.09	79.7	.0622	.5733	17.42.2	C	Midnight.
9	35.170	21.28	78.1	22.97	79.0	.0589	.5720	17.42.0	B	1 12 a. m.
10	34·827	21.25	77.5	23.01	78.5	·0584	.5725	17.42.4	B	2 12 „
11	34.964	21.25	77.5	23.10	78.2	.0584	.5735	17.42.8	B	3 12 „

DAILY OBSERVATIONS, FROM 2ND. TO 4TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 2nd—12	34·484	21.23	77°1	23.19	78°0	8.0581	2.5744	17°43′1	B	4 12 a. m.
13	33.502	21.39	76.9	23.22	77.7	·0607	.5748	17.43.0	G	5 12 „
14	33.502	21.43	76·5	23·25	77.2	.0614	.5751	17.43.1	G	6 12 „
15	33·729	21.52	76.5	23.66	77.0	.0628	.5796	17.44.5	G	7 12 „
16	34·484	21·56	77.0	23.81	77.1	.0635	.5813	17.45.0	G	8 12 „
17	34.484	21.82	78.3	23.60	77·9	.0677	.5790	17.43.7	C	9 12 „
18	34.415	22.09	80.0	23.25	78·6	.0722	.5751	17.41.6	C	10 12 „
19	33.935	22.26	80.9	22.97	79·6	.0750	.5720	17·40.0	C	11 12 „
20	33·386	22.43	82.5	22·67	80.7	·0778	.5687	17.38.4	C	Noon.
21	33.798	22.33	83.6	22.61	82·3	.0761	.5681	17.38.3	B	1 12 p. m.
22	34.827	22.24	84.6	22.49	83.1	.0747	.5667	17.37.9	B	2 12 „
23	35.787	22.15	85.5	22.39	84.5	.0731	.5656	17·37.8	B	3 12 „
Dec. 3rd-Noon.	35.993	22.11	85.9	22.16	85.3	.0725	.5631	17.36.8	B	4 12 „
1	35.238	21.99	85.8	22.32	84.6	.0706	.5648	17.37.8	G	5 12 „
2	35.924	21.66	84.7	22.43	83.5	.0654	.5661	17.38.9	G	6 12 „
3	35.787	21.65	82.8	22.76	82.8	.0649	.5697	17.40.4	G	7 12 „
4	34.827	21.58	81.0	22.60	82.0	.0638	.5680	17.39.9	G	8 12 „
5	35.101	21.97	80.6	22.65	81·9	.0703	.5685	17.39.3	C	9 12 „
6	35.101	21.83	80.2	22.75	81.5	.0679	·5696	17.40.1	C	10 12 „
7	34.827	21·78	80.1	22·77	80.9	.0671	.5698	17.40.2	C	11 12 „
8	35.032	21·71	79.8	22.98	80·6	.0660	.5721	17.41.2	C	Midnight.
9	35.307	21.72	79·3	23.03	79.6	.0661	.5727	17.41.5	B	1 12 a.m.
10	35.032	21.57	79.3	23.11	79.5	.0637	.5736	17.42·1	B	2 12 „
11	35.170	21.51	78.6	23.18	79·2	.0627	.5743	17.42.5	B	3 12 „
12	34.484	21.53	78.5	23.22	78·9	.0630	.5748	17.42.7	B	4 12 „
13	34.484	21.68	78.2	23.27	78.4	.0654	.5753	17.42.6	G	5 12 „
14	33.317	21.84	78.0	23.35	78.4	·0681	.5762	17.42.5	G	6 12 „
15	33.455	21.84	78.0	23·42	78.0	.0681	.5770	17.42.9	G	7 12 „
16	34.072	21.88	78.8	23.32	78.5	.0687	.5759	17·42.3	G	8 12 „
17	34·415	22.11	79.9	22.93	79.1	.0725	.5716	17.40.1	C	9 12 „
18	34.415	22.29	81·4	22.56	80.0	.0755	.5675	17.38.1	C	10 12 „
19	34.003	22.36	83.2	22.24	81.2	.0766	.5640	17.37.7	C	11 12 „
20	34.209	22.30	83.9	22.26	82.0	.0756	.5642	17.36.8	C	Noon.
21	35.444	22.08	84.6	22.24	83·0	.0720	.5640	17.37.3	B	1 12 p. m.
22	35.513	21.88	86.4	22.02	84.1	.0687	.5616	17.36.7	B	2 12 „
23	35.238	21.92	86·2	22·02	84.1	.0694	.5616	17.36.7	B	3 12 „
Dec. 4th-Noon.	35.238	21.88	85.4	22.28	84.2	.0687	.5644	17.37.8	B	4 12 „
1	36.199	21·47	84.0	22.41	83.8	.0621	.5659	17.39.3	G	5 12 „
2	36.199	21.26	83.1	22.64	83·0	.0586	.5684	17.40.5	G	6 12 „
3	36·954	21.28	82.0	22.83	82.2	.0589	.5705	17·41.4	G	7 12 „
4	35.856	21.07	81.1	22.80	81.8	.0555	.5702	17.41.6	G	8 12 „
5	36.404	21·13	80.6	22.63	81.0	.0564	.5686	17.41.0	C	9 12 „
6	35.375	21.07	79.9	22.73	80.6	.0555	.5699	17.41.5	C	10 12 „
7	35.101	21.52	79.2	22.72	80.1	.0628	.5693	17.40.5	C	11 12 „
8	35.032	21.56	78.8	22.79	79.5	.0635	.5700	17.40.7	C	Midnight.
9	35.787	21.63	78.5	22.88	79.0	.0646	.5710	17.40.9	B	1 12 a. m.
10	34.827	21.47	78.1	23.11	78.5	.0621	.5736	17.42.3	B	2 12 „
11	35·032	21.44	77.7	23.10	78.4	.0616	.5735	17.42.3	B	3 12 „
12	34·964	21.51	77.3	23.14	78.1	.0627	.5739	17.42.3	B	4 12 „
13	34.484	21·58	77.1	23.19	77.4	.0638	.5740	17.42·3	G	5 12 „
14	34.278	21.56	77.0	23.21	77·0	.0635	.5747	17.42.6	G	6 12 „
15	33.660	21.67	77.5	23.34	77.4	.0653	.5761	17.42.8	G	7 12 „
16	33.798	21.81	78.3	23.29	78·0	.0676	.5755	17.42.4	G	8 12 „
17	33.523	22.03	79.4	23.11	78.3	.0712	.5736	17.41.2	C	9 12 „
18	33·592	22.05	80.8	22.91	79.1	.0715	.5714	17.40.1	C	10 12 „
19	33.798	22.31	81.9	22.62	80.0	.0758	.5682	17.38·3	C	11 12 „
20	34.278	22.49	83.4	22.34	81.2	·0788	.5651	17.38·8	C	Noon.
21	35.513	22.53	84.4	22.67	82.2	.0794	.5687	17.38.2	B	1 12 p. m.
22	35.513	22.16	84.5	22.58	82.5	.0733	.5676	17.38.5	B	2 12 „
23	36·061	22.04	84.4	22.45	82.9	.0714	.5663	17.38.3	B	3 12 „

DAILY OBSERVATIONS, FROM 6TH TO 8TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 6th-Noon.	35·307	22.19	84·6	22.12	84·0	8.0738	2.5627	17°36′6	C	4 12 p. m.
1	35.170	22.06	83.7	22.26	83.8	.0717	.5642	17.37.3	C	5 12 „
2	35.170	22.03	83.2	22.37	83.1	.0712	.5654	17.38.0	G	6 12 „
3	34.895	21.89	82.6	22.58	82.5	.0689	.5677	17.39.1	G	7 12 „
4	35.101	21.62	82.0	22.78	82.0	.0644	.5699	17.40.6	G	8 12 „
5	35.513	21.58	81.4	22.59	81.6	.0638	.5678	17.39.8	C	9 12 „
6	35.238	21.50	80.8	22.54	81.3	.0625	.5673	17.39.7	C	10 12 „
7	34.484	21.70	80.2	22.43	81.1	.0658	.5661	17.38.8	C	11 12 „
8	34·484	21.72	80.2	22.49	80.9	.0661	.5667	17.39.1	C	Midnight.
9	35.170	21.46	79.5	22.51	80·3	.0619	.5670	17.39.7	B	1 12 a. m.
10	34.484	21.56	79.5	22.60	80.0	.0635	.5680	17.39.9	B	2 12 „
11	34.072	21.76	79.5	22.74	79.7	.0668	.5695	17.40.1	B	3 12 „
12.	33·935	21.79	79·1	22.84	79.5	.0673	.5706	17.40.5	B	4 12 „
13	34.827	21.83	78.5	22.88	79.3	.0679	.5710	17.40.6	G	5 12 „
14	34.689	21.86	78.4	22.97	79.0	.0684	.5720	17.41.0	G	6 12 „
15	34.209	21.93	78.2	22.96	78.6	.0696	.5719	17.40.6	G	7 12 „
16	34.415	22.01	78.4	23.12	78.5	.0709	.5737	17.41.3	G	8 12 „
17	34.964	22.36	80.1	23.17	79.2	.0766	.5742	17.40.6	C	9 12 „
18	35.170	22.41	81.4	22.96	80.0	.0775	.5719	17.39.6	C	10 12 „
19	35.170	22.42	82.9	22.57	81.0	.0776	.5676	17.37.9	C	11 12 „
20	35.307	22.06	83.1	22.52	81.4	.0716	.5671	17.38.4	C	Noon.
21	34.621	22.16	83.4	22.57	81.6	.0733	.5676	17.38.5	B	1 12 p. m.
22	35.170	22.09	83.5	22.41	82.0	.0722	.5659	17.38.0	B	2 12 „
23	35.513	21.92	83.4	22.32	82.4	.0694	.5649	17.38.0	B	3 12 „
Dec. 7th-Noon.	35.787	21.57	83.1	22.26	82.5	.0637	.5642	17.38.4	B	4 12 „
1	36.130	21.56	82.0	22.35	82.5	.0635	.5652	17.38.8	G	5 12 „
2	35.101	21.48	81.6	22.45	81.8	.0622	.5663	17.39.4	G	6 12 „
3	35.170	21.30	80.8	22.42	81.0	.0592	.5660	17.39.6	G	7 12 „
4	35.032	21.30	80.3	22.32	80.8	.0592	.5649	17.39.2	G	8 12 „
5	35.032	21.38	79.9	22.41	80.4	.0605	.5659	17.39.5	C	9 12 „
6	34.895	21.32	79.8	22.47	80.2	.0595	.5665	17.39.8	C	10 12 „
7	35.444	21.28	79.3	22.50	80.0	.0589	.5669	17.39.9	C	11 12 „
8	34.895	21.35	78.9	22.47	79.7	.0600	.5665	17.39.8	C	Midnight.
9	34.552	21.40	78.2	22.47	79.0	.0609	.5665	17.39.7	B	1 12 a. m.
10	34.827	21.38	78.1	22.56	78.8	.0605	.5675	17.40.1	B	2 12 „
11	34.484	21.60	78.3	22.51	78.8	.0641	.5670	17.39.5	B	3 12 „
12	34.484	21.59	78.3	22.61	78.5	.0640	.5681	17.39.9	B	4 12 „
13	33.798	21.79	78.0	22.65	78.2	.0673	.5685	17.39.7	G	5 12 „
14	34.415	21.79	78.0	22.76	78.0	.0673	.5697	17.40.2	G	6 12 „
15	34.141	21.97	77.9	22.79	78.0	.0703	.5700	17.39.9	G	7 12 „
16	34.552	22.01	78.4	22.79	78.0	.0709	.5700	17.39.8	G	8 12 „
17	35.032	22.21	79.8	22.69	79.0	.0742	.5689	17.38.9	C	9 12 „
18	35.375	22.29	80.6	22.54	79.3	.0755	.5673	17.38.0	C	10 12 „
19	35.375	22.02	81.5	22.34	80.0	.0710	.5671	17.38.6	C	11 12 „
20	35.581	21.82	82.6	22.20	80.5	.0677	.5636	17.37.7	C	Noon.
21	36.199	21.60	82.7	22.23	81.0	.0641	.5639	17.38.3	B	1 12 p. m.
22	36.061	21.54	82.7	22.09	81.2	.0632	.5623	17.37.8	B	2 12 „
23	35.650	21.67	82.7	22.00	81.8	.0653	.5614	17.37.1	B	3 12 „
Dec. 8th-Noon.	35.856	21.44	82.3	22.06	81.9	.0616	.5620	17.37.6	B	4 12 „
1	36.816	21.85	81.6	22.14	81.9	.0682	.5629	17.37.4	G	5 12 „
2	36.130	21.11	80.9	22.14	81.2	.0561	.5629	17.38.8	G	6 12 „
3	35.856	21.15	80.0	22.30	80.6	.0567	.5647	17.39.5	G	7 12 „
4	35.718	21.33	79.6	22.40	80.0	.0597	.5658	17.39.6	G	8 12 „
5	35.444	21.48	79.4	22.38	79.9	.0622	.5655	17.39.2	C	9 12 „
6	35.856	21.36	78.7	22.36	79.5	.0602	.5653	17.39.4	C	10 12 „
7	35.993	21.46	78.4	22.44	79.3	.0619	.5662	17.39.3	C	11 12 „
8	35.650	21.39	78.4	22.48	79.2	.0607	.5666	17.39.8	C	Midnight.
9	35.718	21.41	78.4	22.47	79.0	.0611	.5665	17.39.7	B	1 12 a. m.
10	35.581	21.43	78.1	22.41	78.6	.0614	.5659	17.39.5	B	2 12 „
11	34.827	21.59	77.6	22.60	78.4	.0640	.5680	17.39.9	B	3 12 „

DAILY OBSERVATIONS, FROM 8TH TO 10TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 8th— 12	34°827	21.49	77°1	22.49	78°0	8.0624	2.5667	17°39′6	B	4 12 a. m.
13	34.827	21.53	77.4	22.45	78.4	.0630	.5663	17.39.3	G	5 12 „
14	34.072	21.50	77.2	22.44	78.0	.0625	.5662	17.39.2	G	6 12 „
15	33.592	21.80	77.2	22.42	78.0	.0674	.5660	17.38.7	G	7 12 „
16	34.278	22.08	77.3	22.64	77.9	.0720	.5684	17.38.9	G	8 12 „
17	35.101	22.29	77.4	22.80	78.0	.0755	.5702	17.39.1	C	9 12 „
18	35.170	22.55	77.9	22.84	78.0	.0797	.5706	17.38.9	C	10 12 „
19	35.170	22.57	78.4	22.55	78.3	.0801	.5674	17.37.6	C	11 12 „
20	35.032	22.60	79.6	22.41	79.0	.0806	.5659	17.37.6	C	Noon.
21	35.650	22.30	79.9	22.47	79.1	.0756	.5665	17.37.7	B	1 12 p. m.
22	36.542	22.06	79.6	22.47	79.1	.0717	.5665	17.38.2	B	2 12 „
23	37.022	21.80	79.5	22.42	79.1	.0674	.5660	17.38.7	B	3 12 „
Dec. 9th-Noon.	36.267	21.66	79.3	22.32	79.1	.0651	.5649	17.38.5	B	4 12 „
1	35.650	21.58	78.5	22.47	79.0	.0638	.5665	17.39.3	G	5 12 „
2	36.199	21.35	78.0	22.36	78.5	.0600	.5653	17.39.4	G	6 12 „
3	35.581	21.29	78.0	22.35	78.4	.0591	.5652	17.39.3	G	7 12 „
4	35.581	21.20	77.8	22.43	78.0	.0576	.5661	17.39.8	G	8 12 „
5	35.650	21.46	77.3	22.44	78.0	.0619	.5662	17.39.3	C	9 12 „
6	35.787	21.53	77.1	22.34	77.9	.0630	.5651	17.38.9	C	10 12 „
7	35.513	21.60	77.0	22.37	77.8	.0641	.5654	17.38.9	C	11 12 „
8	35.513	21.72	77.3	22.50	77.8	.0661	.5669	17.39.1	C	Midnight.
9	35.513	21.71	77.3	22.68	77.7	.0660	.5688	17.39.9	B	1 12 a. m.
10	35.513	21.72	77.3	22.73	77.7	.0661	.5694	17.40.1	B	2 12 „
11	35.238	21.78	77.1	22.78	77.6	.0671	.5699	17.40.2	B	3 12 „
12	35.170	21.79	76.6	22.84	77.3	.0673	.5706	17.40.5	B	4 12 „
13	34.484	21.81	76.4	22.91	77.0	.0676	.5714	17.40.7	G	5 12 „
14	34.209	21.76	76.3	22.91	77.0	.0668	.5714	17.40.8	G	6 12 „
15	33.592	21.93	76.0	22.88	76.6	.0696	.5710	17.40.3	G	7 12 „
16	34.827	22.20	76.0	22.88	76.5	.0740	.5710	17.39.8	G	8 12 „
17	35.581	22.52	76.7	22.88	76.8	.0792	.5710	17.39.1	C	9 12 „
18	35.650	22.88	78.3	22.48	77.7	.0851	.5666	17.36.6	C	10 12 „
19	34.552	22.98	80.0	22.31	78.3	.0868	.5648	17.35.8	C	11 12 „
20	34.552	22.80	81.2	22.20	79.2	.0838	.5636	17.35.7	C	Noon.
21	35.718	22.59	82.1	22.03	80.0	.0804	.5617	17.35.5	B	1 12 p. m.
22	35.856	22.40	82.1	22.16	80.4	.0773	.5631	17.36.3	B	2 12 „
23	36.267	22.35	81.9	22.17	80.6	.0764	.5632	17.36.4	B	3 12 „
Dec. 10th-Noon.	36.816	22.01	81.1	22.27	80.5	.0709	.5643	17.37.6	B	4 12 „
1	35.993	21.84	80.2	22.22	80.1	.0681	.5638	17.37.8	G	5 12 „
2	35.513	21.91	79.8	22.46	79.6	.0693	.5664	17.38.5	G	6 12 „
3	35.513	21.73	79.2	22.47	79.1	.0663	.5665	17.39.0	G	7 12 „
4	35.513	21.46	79.0	22.49	79.0	.0619	.5667	17.39.6	G	8 12 „
5	35.444	21.60	78.8	22.78	79.0	.0641	.5699	17.40.6	C	9 12 „
6	35.993	21.19	78.4	22.93	78.8	.0574	.5716	17.42.1	C	10 12 „
7	36.336	21.09	78.2	23.11	78.6	.0558	.5736	17.42.0	C	11 12 „
8	35.924	21.23	78.1	23.08	78.6	.0581	.5732	17.42.6	C	Midnight.
9	35.650	21.37	77.9	23.00	78.2	.0604	.5724	17.42.1	B	1 12 a. m.
10	35.238	21.52	77.6	23.04	78.0	.0628	.5728	17.41.9	B	2 12 „
11	34.964	21.60	77.5	23.02	78.0	.0641	.5726	17.41.7	B	3 12 „
12	35.032	21.63	77.1	23.13	77.8	.0646	.5738	17.42.0	B	4 12 „
13	34.621	21.47	76.2	23.22	77.2	.0621	.5748	17.42.8	G	5 12 „
14	34.758	21.68	76.0	23.21	77.0	.0654	.5747	17.42.4	G	6 12 „
15	34.278	21.88	76.2	23.29	76.8	.0687	.5755	17.42.2	G	7 12 „
16	34.827	22.04	77.4	23.21	77.0	.0714	.5747	17.41.7	G	8 12 „
17	35.238	22.37	79.0	23.04	78.0	.0768	.5728	17.40.1	C	9 12 „
18	35.101	22.50	80.3	22.81	79.1	.0789	.5703	17.38.8	C	10 12 „
19	34.758	22.63	81.4	22.45	79.6	.0810	.5663	17.37.1	C	11 12 „
20	34.827	22.53	82.2	22.38	80.2	.0794	.5655	17.37.0	C	Noon.
21	35.375	22.26	82.5	22.47	80.6	.0750	.5665	17.37.8	B	1 12 p. m.
22	35.238	22.10	82.6	22.39	81.4	.0723	.5656	17.37.9	B	2 12 „
23	35.238	22.06	83.0	22.31	82.0	.0717	.5648	17.37.6	B	3 12 „

DAILY OBSERVATIONS, FROM 11TH TO 14TH DECEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863
h.										h. m.
DEC. 11TH-Noon.	35'307	21.92	83°0	22.33	82°3	8.0694	2.5650	17°38'1	B	4 12 p. m.
1	35.307	21.74	82.1	22.39	81.6	.0665	.5656	17.38.6	G	5 12 „
2	35.238	21.82	81.5	22.54	81.4	.0677	.5673	17.39.1	G	6 12 „
3	35.513	21.63	80.6	22.78	80.7	.0646	.5699	17.40.4	G	7 12 „
4	35.787	21.31	79.8	22.86	80.4	.0594	.5708	17·41.5	G	8 12 „
5	35.444	21.59	79.4	22.63	80.0	.0640	.5683	17.40.0	C	9 12 „
6	35.513	21.54	79.2	22.42	80.0	.0632	.5660	17.39.2	C	10 12 „
7	35.718	21.61	78.9	22.39	79.7	.0643	.5656	17.39.0	C	11 12 „
8	35.718	21.60	78.6	22.38	79.4	.0641	.5655	17·39.0	C	Midnight.
9	35.513	21.63	78.5	22.37	79.1	.0646	.5654	17.38.7	B	1 12 a. m
10	35.718	21.66	78.1	22.42	78·9	.0651	.5660	17.38.9	B	2 12 „
11	34.964	21.77	78.0	22.41	78.6	.0670	.5659	17.38.7	B	3 12 „
12	34.621	21.87	77.6	22.45	78.3	.0686	.5663	17.38.5	B	4 12 „
13	34.141	21.83	77.4	22·42	78.0	.0679	.5662	17.38.6	G	5 12 „
14	34.209	22.04	77.2	22.44	78.0	.0714	.5662	17.38.2	G	6 12 „
15	33.935	22.11	77.0	22.43	77.8	.0725	.5661	17.37.9	G	7 12 „
16	34.346	22.28	77.9	22.49	78.0	.0753	.5667	17.37.9	G	8 12 „
17	35.513	22.57	79.2	22.40	78.4	.0801	.5658	17.37.1	B	9 12 „
18	36.473	22.73	80.6	22.18	79.2	.0827	.5633	17·35.7	B	10 12 „
19	35.650	22.70	81.7	21.72	80.1	.0822	.5583	17.33.9	B	11 12 „
20	35.375	22.73	82.9	21.65	81.0	.0827	.5575	17.33.5	B	Noon.
21	36.199	22.50	83.4	21.80	81.7	.0789	.5592	17.34.5	C	1 12 p. m.
22	36.473	22.24	84.0	21.67	82.2	.0747	.5577	17.34.5	C	2 12 „
23	35.856	22.16	83·8	21.52	82.6	.0733	.5561	17.34.1	C	3 12 „
DEC. 13TH-Noon.	36.816	21.09	83.5	21.45	83.4	.0558	.5553	17.36.0	B	4 12 „
1	36.199	21·08	82.2	21.58	82.7	.0555	.5567	17.36.5	B	5 12 „
2	36.199	21.02	82.0	21·74	82.0	.0546	.5585	17.37.3	G	6 12 „
3	36.267	21.05	80.7	21.99	81.5	.0551	.5612	17.38.2	G	7 12 „
4	36.336	20.70	80.0	21.93	81.0	.0494	.5606	17.38.8	G	8 12 „
5	36.404	20.76	79.6	21.77	80.6	.0504	.5588	17.38·1	C	9 12 „
6	36.404	20.75	79.0	21.80	80·3	.0502	·5592	17.38.2	C	10 12 „
7	35·542	20.92	78.7	21.86	80.0	.0530	.5598	17.38.1	C	11 12 „
8	36.336	21.04	79.1	22.00	79.9	.0550	.5614	17.38.3	C	Midnight.
9	35.856	21.17	79.1	21.94	79.6	.0571	.5607	17.37.9	B	1 12 a. m.
10	36·130	21·24	79.1	21.99	79·5	.0583	.5612	17.37.9	B	2 12 „
11	35.924	21.30	78.9	22.14	79.5	·0592	.5629	17·38.4	B	3 12 „
12	35.718	21.28	78.4	22.03	79.2	.0589	.5617	17.38.0	B	4 12 „
13	35.032	21.29	78.0	21.97	79·0	.0591	.5610	17.37.7	G	5 12 „
14	35.032	21.33	77.6	22·14	78.7	.0597	.5629	17·38.4	G	6 12 „
15	35.170	21.35	77.5	22.13	78.3	.0600	.5628	17.38.4	G	7 12 „
16	35.513	21.56	78.4	22.14	78.0	.0635	.5629	17.37.9	G	8 12 „
17	35·787	21.85	79.2	21.97	79.0	.0682	.5610	17.36·7	C	9 12 „
18	36.061	22.07	80.4	21.89	79.5	.0719	.5601	17.35.7	C	10 12 „
19	36.336	22.20	81.7	21.68	80.4	.0740	.5578	17.34.7	C	11 12 „
20	36.199	22.22	83.1	21.46	81.4	.0743	.5554	17.33.8	C	Noon.
21	36.336	22.04	83.3	21·35	81.5	.0714	.5542	17.33.7	B	1 12 p.m.
22	36.199	21.97	83.3	21.31	82.0	.0703	.5538	17.33.7	B	2 12 „
23	36.199	21.88	83.4	21.33	82.6	.0687	.5540	17.33.8	B	3 12 „
DEC. 14TH-Noon.	36.610	21.75	82.8	21.44	82.6	.0666	.5552	17.34·5	B	4 12 „
1	36.199	21.49	82.1	21.47	82.2	.0624	.5555	17.35.3	G	5 12 „
2	36.199	21.37	81.0	21.53	81.5	.0604	.5562	17.35.7	G	6 12 „
3	36.404	21.19	80.0	21.56	80.7	.0574	.5565	17.36.3	G	7 12 „
4	36.404	21.20	79.7	21.61	80.4	.0576	.5571	17.36·4	G	8 12 „
5	35.924	21.13	79.0	21.60	80.0	.0564	·5570	17.36.6	C	9 12 „
6	35.513	21.12	78.4	21.67	79.5	.0562	·5577	17.36.9	C	10 12 „
7	35.444	21.33	78.8	21.83	79.5	.0597	.5595	17.37.1	C	11 12 „
8	35.170	21·35	78.4	21.88	79.2	.0600	·5600	17·37.3	C	Midnight.
9	35.170	21·39	78.3	21.92	79.0	.0607	.5605	17.37.4	B	1 12 a. m.
10	35.170	21.34	78.3	21.92	79.0	.0599	.5605	17.37.5	B	2 12 „
11	35.032	21.48	78.2	21.90	78.8	.0622	.5603	17.37.1	B	3 12 „

DAILY OBSERVATIONS, FROM 14TH TO 16TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 14th—12	34·895	21.54	78·2	21.91	78·6	8.0632	2.5604	17°37·0	B	4 12 a. m.
13	34.964	21.49	78.0	21.95	78·4	.0624	.5608	17.37.3	G	5 12 „
14	35.032	21.52	77·2	22.14	78.0	.0628	.5629	17.38.0	G	6 12 „
15	34.689	21.61	76.7	22.09	77.5	.0643	.5623	17.37·7	G	7 12 „
16	34.415	21.94	78.0	22.13	77·8	.0698	.5628	17.37·1	G	8 12 „
17	35.101	22.21	79·4	21·93	78.7	.0742	.5606	17·35.7	C	9 12 „
18	34.758	22.31	80.4	21.67	79.1	.0758	.5577	17.34.4	C	10 12 „
19	34.484	22·42	81.7	21.35	80.0	.0776	.5542	17·32.8	C	11 12 „
20	34.827	22·33	82.8	21.27	81.0	.0761	.5533	17.32.7	C	Noon.
21	35.513	22.18	83·2	21.39	81.3	.0736	.5546	17.33.5	B	1 12 p. m.
22	36.061	22.03	83.2	21.47	81.8	.0712	.5555	17.34.3	B	2 12 „
23	36·336	22.00	83.2	21.52	82.4	.0707	.5561	17.34.4	B	3 12 „
Dec. 15th—Noon.	36.542	21.75	83.0	21.44	82.5	·0666	.5552	17.34.5	B	4 12 „
1	36.199	21.69	82·8	21.45	82.4	.0656	.5553	17.34.7	G	5 12 „
2	36.067	21.52	81.7	21·45	81.5	.0628	.5553	17·35.1	G	6 12 „
3	35.993	21.39	80.5	21.55	81.0	.0607	.5564	17.35·7	G	7 12 „
4	35.787	21·34	80.0	21.74	80.5	.0599	.5585	17.36.7	G	8 12 „
5	35.513	21.31	79·5	21.75	80.0	.0594	.5586	17.36.8	C	9 12 „
6	35.375	21.28	78.5	21.69	79.5	·0589	.5579	17.36.5	C	10 12 „
7	35·650	21.37	78.2	21.86	79.2	.0604	.5598	17.37.2	C	11 12 „
8	35.650	21.50	78.5	21.88	79.2	.0625	.5600	17.36.9	C	Midnight.
9	35.375	21.57	77.6	21·91	78.5	.0637	.5604	17.36.9	B	1 12 a. m.
10	35.581	21.56	77.0	22.04	78.0	.0635	.5618	17.37.5	B	2 12 „
11	35.513	21.49	77.0	21·98	77.6	.0624	·5611	17.37.4	B	3 12 „
12	35.032	21.62	77.0	22.08	77.5	.0644	.5622	17.37.6	B	4 12 „
13	34.621	21.50	76.2	22.14	77.0	.0625	.5629	17.38.0	G	5 12 „
14	34.484	21.37	75.4	22.20	76.5	.0604	.5636	17.38.7	G	6 12 „
15	34.484	21.57	75.4	22.39	76.3	.0637	.5656	17.38.0	G	7 12 „
16	34.552	21.75	76.4	22.62	76.5	.0666	.5682	17.39.5	G	8 12 „
17	35.513	21.81	77.5	22.59	77.1	.0676	.5678	17.39.3	C	9 12 „
18	35.513	22.21	79.2	22·04	78.0	.0742	.5618	17.36.2	C	10 12 „
19	34·827	22.29	80.6	21.72	79.0	.0755	.5583	17.34.6	C	11 12 „
20	35.375	22.26	81.1	21.68	79.5	.0750	.5578	17.34.5	C	Noon.
21	35.513	22.24	81.6	21·49	79.8	.0730	.5557	17.34.1	B	1 12 p. m.
22	35.238	22.17	81.9	21.36	80.4	.0735	.5543	17.33.4	B	2 12 „
23	35.375	22·18	82.5	21.48	81.0	.0736	.5556	17·33.9	B	3 12 „
Dec. 16th-Noon.	35.787	22.03	82.3	21·60	81.5	.0712	.5570	17.34.8	B	4 12 „
1	35.787	21.82	81.5	21.53	81.0	·0677	.5562	17.34.7	G	5 12 „
2	35.718	21.66	80.6	21.70	80.5	·0651	.5581	17.35.8	G	6 12 „
3	35.718	21.54	79.7	21.50	80.0	.0632	.5559	17.35.3	G	7 12 „
4	35.856	21.52	79·0	21·45	79.5	.0628	.5553	17.35.1	G	8 12 „
5	35.513	21.51	78.4	21.24	79.2	.0627	.5530	17.34.2	C	9 12 „
6	35.513	21.45	77.8	21.22	78.5	.0617	.5528	17.34.2	C	10 12 „
7	35.581	21.59	77.1	21.35	78·2	.0640	·5542	17·34.5	C	11 12 „
8	35.718	21.51	76.4	21.35	77.7	.0627	.5542	17·34.6	C	Midnight.
9	35.032	21·46	75.6	21.50	76.6	.0619	.5559	17.35.4	B	1 12 a. m.
10	35.238	21·54	75.6	21.75	76.5	·0632	.5586	17.36.3	B	2 12 „
11	35.307	21.46	74.5	21.68	76.0	.0619	.5578	17.36.1	B	3 12 „
12	34.827	21·49	74.4	21·92	75.5	.0624	.5605	17.37.2	B	4 12 „
13	35.101	21.65	74.0	21.95	75.2	.0649	.5608	17.36.9	G	5 12 „
14	34·827	21.63	73.8	22.09	75.0	.0646	.5623	17.37.5	G	6 12 „
15	34.621	21.58	73.8	22·34	74.6	·0638	.5651	17.38.8	G	7 12 „
16	35.444	21.66	74.2	22·34	74.5	.0651	.5651	17·38·6	G	8 12 „
17	35·718	22.03	76.0	22.17	75.5	.0712	.5632	17.37.1	C	9 12 „
18	36.061	22·18	77.2	21.95	76.2	.0736	.5608	17.35.8	C	10 12 „
19	35.718	22.48	78.7	21.48	77.0	.0785	·5556	17.33·2	C	11 12 „
20	35.170	22.35	80.0	21.24	78·0	.0764	.5530	17.32.6	C	Noon.
21	35.444	22.33	80.7	21.31	78·6	.0761	.5538	17.32.9	B	1 12 p. m.
22	35.581	22.26	80.9	21.23	79·2	.0750	.5529	17.32.6	B	2 12 „
23	35.856	22.10	80.9	21.14	79.5	.0723	.5519	17.32.6	B	3 12 „

DAILY OBSERVATIONS, FROM 17TH TO 20TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Vertical Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 17th-Noon.	35°856	21.89	80°5	21.14	79°7	8.0689	2.5519	17°32'9	B	4 12 p. m.
1	35.650	21.80	79.5	21.33	79.4	.0674	.5542	17.34.1	G	5 12 "
2	35.238	21.79	78.8	21.43	79.0	.0673	.5551	17.34.5	G	6 12 "
3	35.650	21.67	78.4	21.54	78.5	.0653	.5563	17.35.1	G	7 12 "
4	35.650	21.64	78.0	21.62	78.1	.0648	.5572	17.35.4	G	8 12 "
5	35.444	21.64	77.7	21.68	77.7	.0648	.5578	17.35.7	C	9 12 "
6	35.375	21.68	77.2	21.68	77.1	.0654	.5578	17.35.7	C	10 12 "
7	35.650	21.52	76.2	21.82	76.7	.0628	.5594	17.36.6	C	11 12 "
8	35.856	21.58	75.5	21.89	76.2	.0638	.5601	17.36.8	C	Midnight.
9	36.199	21.57	75.1	21.83	76.0	.0637	.5595	17.36.6	B	1 12 a. m.
10	36.473	21.45	75.1	21.89	75.6	.0617	.5601	17.37.0	B	2 12 "
11	35.856	21.46	74.5	22.06	75.3	.0619	.5620	17.37.8	B	3 12 "
12	35.993	21.52	74.3	22.10	75.1	.0628	.5625	17.37.9	B	4 12 "
13	35.787	21.66	74.2	22.15	75.0	.0651	.5630	17.37.8	G	5 12 "
14	35.238	21.73	73.8	22.38	74.4	.0663	.5655	17.38.7	G	6 12 "
15	34.758	21.77	74.0	22.69	74.0	.0670	.5689	17.39.8	G	7 12 "
16	35.101	21.91	74.9	22.72	74.3	.0693	.5693	17.39.7	G	8 12 "
17	35.787	22.35	76.4	22.77	75.1	.0764	.5698	17.39.0	C	9 12 "
18	35.032	22.57	77.4	22.46	75.6	.0801	.5664	17.37.2	C	10 12 "
19	34.415	22.39	78.3	22.04	76.3	.0771	.5618	17.35.8	C	11 12 "
20	34.346	22.47	79.0	21.92	77.2	.0785	.5605	17.35.0	C	Noon.
21	34.758	22.25	80.0	21.88	77.9	.0747	.5600	17.35.3	B	1 12 p. m.
22	35.170	22.03	80.5	21.94	78.5	.0712	.5607	17.36.2	B	2 12 "
23	35.513	21.82	80.6	21.73	79.4	.0677	.5584	17.35.6	B	3 12 "
Dec. 18th-Noon.	36.061	21.57	80.9	21.74	79.7	.0637	.5585	17.36.2	B	4 12 "
1	36.267	21.10	80.0	21.69	79.7	.0559	.5579	17.36.9	G	5 12 "
2	36.610	20.82	79.3	21.42	79.0	.0513	.5550	17.36.6	G	6 12 "
3	36.267	21.22	78.8	21.11	78.6	.0579	.5516	17.34.3	G	7 12 "
4	36.130	21.03	78.5	21.18	78.2	.0548	.5523	17.34.9	G	8 12 "
5	36.199	21.14	77.8	21.29	78.1	.0566	.5535	17.35.2	C	9 12 "
6	36.473	21.19	77.2	21.42	77.7	.0574	.5550	17.35.8	C	10 12 "
7	36.061	21.33	77.1	21.44	77.4	.0597	.5552	17.35.4	C	11 12 "
8	36.061	21.53	77.0	21.44	77.2	.0630	.5552	17.35.0	C	Midnight.
9	36.199	21.47	76.8	21.46	77.0	.0621	.5554	17.35.2	B	1 12 a. m.
10	36.473	21.44	76.5	21.35	76.4	.0616	.5542	17.34.7	B	2 12 "
11	36.130	21.65	76.1	21.40	76.5	.0649	.5548	17.34.6	B	3 12 "
12	35.170	21.51	75.9	21.44	76.2	.0627	.5552	17.35.0	B	4 12 "
13	35.787	21.49	75.5	21.46	76.0	.0624	.5554	17.35.2	G	5 12 "
14	35.101	21.62	75.4	21.44	75.9	.0644	.5552	17.34.9	G	6 12 "
15	35.032	21.51	75.4	21.47	75.5	.0627	.5555	17.35.2	G	7 12 "
16	35.170	21.63	76.0	21.53	76.0	.0646	.5562	17.35.0	G	8 12 "
17	35.513	21.69	77.2	21.50	76.4	.0656	.5559	17.34.9	C	9 12 "
18	35.581	21.88	78.3	21.37	77.0	.0687	.5544	17.33.9	C	10 12 "
19	35.101	22.12	79.5	20.94	78.0	.0726	.5497	17.31.7	C	11 12 "
20	34.895	22.13	80.5	20.71	79.0	.0728	.5472	17.30.6	C	Noon.
21	35.513	22.17	82.4	20.48	80.1	.0735	.5446	17.29.6	B	1 12 p. m
22	35.718	21.99	82.6	20.33	80.9	.0706	.5430	17.29.4	B	2 12 "
23	35.513	21.95	82.7	20.29	81.3	.0699	.5425	17.29.3	B	3 12 "
Dec. 20th-Noon.	35.101	22.09	83.0	20.40	83.3	.0722	.5438	17.29.5	G	4 12 "
1	35.650	21.81	82.2	20.55	83.0	.0674	.5454	17.30.7	G	5 12 "
2	35.444	21.55	81.2	20.78	81.9	.0633	.5478	17.32.1	G	6 12 "
3	35.993	21.53	80.5	20.71	81.0	.0630	.5472	17.31.8	G	7 12 "
4	36.061	21.55	80.0	20.62	80.5	.0633	.5462	17.31.4	G	8 12 "
5	36.061	21.44	79.5	20.61	80.3	.0616	.5461	17.31.5	C	9 12 "
6	35.513	21.87	79.0	20.61	80.0	.0686	.5461	17.30.6	C	10 12 "
7	36.130	21.62	78.9	20.76	79.8	.0644	.5477	17.32.0	C	11 12 "
8	36.199	21.46	78.7	20.95	79.5	.0619	.5498	17.33.0	C	Midnight.
9	35.993	21.72	78.7	20.94	79.2	.0661	.5497	17.32.5	B	1 12 a. m.
10	36.130	21.72	78.3	21.01	78.8	.0661	.5505	17.32.8	B	2 12 "
11	36.404	21.50	77.8	20.96	78.5	.0625	.5499	17.32.9	B	3 12 "

DAILY OBSERVATIONS, FROM 20TH TO 22ND DECEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
DEC. 20TH—12	35·856	21.50	77·5	20.89	73·1	3.0625	2.5491	17°32′6	B	4 12 a. m.
13	35.170	21.50	77.2	20.90	78.0	.0625	.5493	17.32.7	G	5 12 ,,
14	34.827	21.60	77.0	20.93	77.6	.0641	.5496	17.32.7	G	6 12 ,,
15	34.415	21·52	76.5	21.00	77.2	·0628	.5504	17.33.1	G	7 12 ,,
16	35.307	21.70	77.0	21.12	77.4	.0658	.5517	17.33.3	G	8 12 ,,
17	35·856	21.95	78.6	20.94	78.0	.0699	.5497	17.32.1	C	9 12 ,,
18	35·787	22.18	80.0	20.66	79.0	.0736	.5466	17.30.3	C	10 12 ,,
19	36.542	22.28	81·3	20.59	79.7	·0753	.5458	17.29.9	C	11 12 ,,
20	36.404	22.40	82.4	20.50	80.4	.0773	.5449	17.29.3	C	Noon.
21	36.473	22.29	83.0	20.28	81.0	.0755	·5424	17·28.4	B	1 12 p. m.
22	35.650	22.10	83.0	20.26	81.4	.0723	.5422	17.28.8	B	2 12 ,,
23	35.444	21.97	82.9	20.30	81.8	.0703	.5427	17.29.4	B	3 12 ,,
DEC. 21ST-Noon.	35.238	21.70	82.5	20.34	82.0	.0658	.5431	17.29.9	B	4 12 ,,
1	35.170	21.40	81.4	20.45	81.7	.0609	.5443	17.31.1	G	5 12 ,,
2	35.581	21.47	80.7	20.57	81.0	.0621	.5456	17.31.4	G	6 12 ,,
3	35.787	21.31	80.0	20.78	80.1	.0594	.5479	17.32.6	G	7 12 ,,
4	35.993	21.54	79.1	20.67	79.5	.0632	.5467	17.31.7	G	8 12 ,,
5	35.924	21.49	78.7	20.78	79.5	.0624	.5479	17.32.2	C	9 12 ,,
6	35.856	21.36	78.1	20.90	79.2	.0602	.5493	17.33.2	C	10 12 ,,
7	35.856	21.42	78.0	20.97	79.0	.0612	.5500	17.33.3	C	11 12 ,,
8	35.856	21.61	77.4	20.96	78.5	.0643	.5499	17.32.8	C	Midnight.
9	36.542	21.44	76.6	20.96	78.0	.0616	.5499	17.33.0	B	1 12 a. m.
10	36.061	21.63	76.3	20.83	77.5	.0646	.5485	17.32.1	B	2 12 ,,
11	35.650	21.41	75.6	20.88	76.8	.0611	.5490	17.32.9	B	3 12 ,,
12	35.444	21.46	75.6	20.95	76.5	.0619	.5498	17.33.0	B	4 12 ,,
13	35.375	21.52	75.1	21.08	76.0	.0628	.5512	17.33.4	G	5 12 ,,
14	35.101	21.48	74.6	21.22	75.5	.0622	.5528	17.34.2	G	6 12 ,,
15	35.032	21.54	74.0	21.40	75.0	.0632	.5548	17.34.9	G	7 12 ,,
16	35.513	21.61	74.8	21.47	75.0	.0643	.5555	17.35.1	G	8 12 ,,
17	35.513	22.08	76.1	21.07	76.0	.0720	.5511	17.32.3	C	9 12 ,,
18	35.856	22.31	77·7	21.05	76.7	.0758	.5509	17.31.7	C	10 12 ,,
19	36.061	22.47	79.0	20.84	77.5	.0785	.5486	17.30.4	C	11 12 ,,
20	35.924	22.48	80.0	20.85	78.2	.0786	.5487	17.30.5	C	Noon.
21	36.404	22.27	80.5	20.71	78.6	.0752	.5472	17.30.3	B	1 12 p. m.
22	35.856	22.16	81.1	20.53	79.4	.0733	.5452	17.29.9	B	2 12 ,,
23	35.307	21.98.	81.1	20.32	79.9	.0704	.5429	17.29.4	B	3 12 ,,
DEC. 22ND-Noon.	35.238	21.89	81.0	20.41	80.2	.0689	.5439	17.29.8	B	4 12 ,,
1	35.513	21.63	80.1	20.56	80.0	.0646	.5455	17.31.0	G	5 12 ,,
2	35.787	21.47	79.0	20.87	79.6	.0621	.5489	17.32.6	G	6 12 ,,
3	35.993	21.36	78.6	20.96	78.5	.0602	.5499	17.33.3	G	7 12 ,,
4	36.473	21.16	78.0	20.95	78.2	.0569	.5498	17.33.7	G	8 12 ,,
5	36.061	21.17	78.0	21.12	78.2	·0571	.5517	17.34.5	C	9 12 ,,
6	36.061	21.10	77.4	21.14	77.9	.0559	.5519	17.34.6	C	10 12 ,,
7	35.787	21.54	76.9	21.15	77.5	.0632	.5520	17.33.8	C	11 12 ,,
8	36.542	21.33	76.3	21.22	77.2	.0597	.5528	17.34.5	C	Midnight.
9	36.130	21.36	75.6	21.15	76.5	.0602	.5520	17.34.2	B	1 12 a. m.
10	35.993	21.42	75.4	21.29	76.2	.0612	.5535	17.34.7	B	2 12 ,,
11	35.856	21.32	75.1	21.37	75.7	.0595	.5544	17.35.1	B	3 12 ,,
12	35.513	21.38	74.3	21.44	75.3	.0605	.5552	17.35.3	B	4 12 ,,
13	35.307	21.43	74.0	21.60	75.0	.0614	.5570	17.36.0	G	5 12 ,,
14	34.552	21.60	73.9	21.80	74.9	.0641	.5592	17.36.4	G	6 12 ,,
15	34.621	21.48	73.9	21.96	74.5	.0622	.5609	17·37.3	G	7 12 ,,
16	35.375	21.74	74.9	22.05	75.0	.0665	.5619	17.37.1	G	8 12 ,,
17	35.787	22.08	76.1	21.87	75.5	.0720	.5599	17·35.7	C	9 12 ,,
18	35.993	22.24	77.7	21.73	76.3	.0747	.5584	17.34.7	C	10 12 ,,
19	35.581	22.28	79.0	21.43	77.7	.0753	.5551	17.33.5	C	11 12 ,,
20	36.061	22.37	80.8	21.14	78.7	.0768	.5519	17.32·0	C	Noon.
21	35.993	22.14	81.6	20.98	79.4	.0730	.5501	17.31.8	B	1 12 p. m.
22	35.924	22.04	81.7	20.84	79.8	.0714	.5486	17.31.5	B	2 12 ,,
23	35.444	22.06	81.9	20.66	80.3	.0717	.5466	17.30.5	B	3 12 ,,

DAILY OBSERVATIONS, FROM 23RD TO 27TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Horizontal Force Magnetometer.	Vertical Force Magnetometer. Scale Readings Corrected for Temperature.	Thermometer of Vertical Force Magnetometer.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time. 1863.
h.										h. m.
Dec. 23rd-Noon.	34·827	22.06	81·9	20.67	80·7	8.0710	2.5467	17°30′8	B	4 12 p.m.
1	35.101	21.96	80.9	20.90	80.8	·0701	.5493	17.31.9	G	5 12 „
2	35.444	21.95	80.0	21.12	80.0	.0699	.5517	17.32.9	G	6 12 „
3	35·787	21.72	79.0	21.09	79.1	.0661	.5513	17.33.1	G	7 12 „
4	35.856	21.48	78.5	21.06	78.5	.0622	.5510	17.33.5	G	8 12 „
5	36.199	21.24	78.0	21.25	78.4	.0583	.5531	17.34.9	C	9 12 „
6	36.267	21.18	77.4	21.25	78.1	.0572	.5531	17.35.0	C	10 12 „
7	36.542	21.10	77.1	21.29	77.8	.0559	.5535	17.35.3	C	11 12 „
8	36·954	21·14	76.9	21.31	77.3	.0566	·5538	17.35.3	C	Midnight.
9	36.679	21.31	76.7	21.27	77.2	.0594	.5533	17.34.8	B	1 12 a.m.
10	36.061	21.30	76.4	21.25	76.8	.0592	.5531	17·34.7	B	2 12 „
11	36.199	21.65	76.1	21.40	76.5	.0649	.5548	17.34.6	G	3 12 „
12	36.130	21.56	75.6	21.39	76.3	.0635	.5546	17.34.7	G	4 12 „
13	35.650	21.59	75.2	21.38	76.0	.0640	·5545	17.34.7	C	5 12 „
14	35.238	21.65	75.0	21.43	75.6	.0649	.5551	17.34.7	C	6 12 „
15	35.718	21·70	75.3	21.59	75.6	.0658	.5568	17.35.2	B	7 12 „
16	34.964	21.75	76.0	21.58	75.7	.0666	.5567	17.35.1	B	8 12 „
17	35.444	22.14	76.9	21.52	76·0	.0730	.5561	17.34.1	G	9 12 „
18	36.061	22.18	78.8	21.35	76·9	.0736	.5542	17.33.3	G	10 12 „
19	36.267	22.15	80.0	21.04	78·0	.0731	.5508	17.32.1	C	11 12 „
20	36.267	22.02	81.1	20.93	79.1	.0710	.5496	17.31.9	C	Noon.
21	36.473	21.86	82.5	20.65	80.1	.0684	.5465	17.31.0	B	1 12 p.m.
22	36.267	21.64	83.0	20.36	80.8	.0648	.5433	17.30.1	B	2 12 „
23	35.787	21.46	83.1	20.25	81.5	.0619	.5421	17.30.0	G	3 12 „
Dec. 24th-Noon.	35.787	21.32	83.1	20.44	82.0	.0595	.5442	17.31.1	G	4 12 „
1	35.924	21.20	82.1	20.57	82.0	.0576	.5456	17.32.0	C	5 12 „
2	36.267	20.75	80.6	20.79	81.0	.0502	.5480	17.33.9	C	6 12 „
3	36.747	20.72	79·8	20.98	80.9	.0497	.5501	17.34.7	B	7 12 „
4	36.610	20.83	79.8	21.07	79.6	.0515	.5511	17.34.8	B	8 12 „
5	36.267	21.03	78.5	21.07	79.0	.0548	.5511	17.34.4	G	9 12 „
6	36.267	21.24	78.0	21.06	78.5	.0583	.5510	17.34.1	G	10 12 „
7	35.924	21.29	77.5	21.12	78.3	.0591	.5517	17.34.2	C	11 12 „
8	35·787	21.34	77.2	21.15	78.1	.0599	.5520	17.34.2	C	Midnight.
9	35.718	21.50	77·2	21.18	77.6	.0625	.5523	17.33.9	B	1 12 a.m.
10	35.444	21.51	77.0	21.18	77.4	.0627	.5523	17.33.9	B	2 12 „
11	35.307	21.52	76.6	21.27	77.3	.0628	.5533	17.34.3	B	3 12 „
12	35.170	21.49	76.6	21.27	77.2	.0624	.5533	17.34.4	B	4 12 „
13	35.170	21.57	76.5	21.31	77.0	.0637	.5538	17.34.4	G	5 12 „
14	35.101	21.64	76.3	21.36	76.8	.0648	.5543	17.34.4	G	6 12 „
15	34.415	21.71	76.0	21.30	76.5	.0660	.5537	17.34·1	G	7 12 „
16	34.827	21.92	76.5	21.40	76.6	.0694	.5548	17.34.1	G	8 12 „
17	35.032	22.22	78.0	21.12	77.2	.0743	.5517	17.32.4	C	9 12 „
18	35·444	22.25	79.5	20.99	78.0	.0748	.5502	17.31.5	C	10 12 „
19	35.787	22.38	81.0	20.82	79.0	.0769	.5484	17.30.6	C	11 12 „
20	35.856	22.34	82.2	20.55	80.1	.0763	.5454	17.29.6	C	Noon.
21	36.336	22.29	83.4	20.32	81.3	.0755	.5429	17.28.6	B	1 12 p.m.
22	36.404	22.10	83.7	20.28	82.0	.0723	.5424	17.28.9	B	2 12 „
23	35.718	22.04	83.6	20.19	82.3	·0714	.5414	17.28.7	B	3 12 „
Dec. 27th-Noon.	36.679	21.87	83.7	20.13	82.8	.0686	.5408	17.28.6	G	4 12 „
1	36.679	21.22	83.6	20.28	82.5	.0579	.5424	17.30.7	G	5 12 „
2	36.267	20.77	81.5	20.30	82·0	.0506	.5427	17.31.8	G	6 12 „
3	35.993	20.88	80.7	20.47	81.1	.0523	.5445	17.32.3	G	7 12 „
4	35.993	20.96	79.8	20.67	80.7	.0537	.5467	17.32.9	G	8 12 „
5	36.130	21·14	79.4	20.75	80.1	.0566	.5476	17.32.8	C	9 12 „
6	36.199	20.95	78.8	20.79	79.7	.0535	.5480	17.33.4	C	10 12 „
7	35.924	20.83	78.2	20.87	79.3	.0515	.5489	17.33.9	C	11 12 „
8	35.718	21.09	78.0	20.93	79.0	.0558	.5496	17.33.8	C	Midnight.
9	35.718	21.27	78.0	21.00	78.7	.0588	.5504	17.33.6	B	1 12 a.m.
10	35.718	21.20	77.8	21.11	78·5	·0576	.5516	17.34.3	B	2 12 „
11	35.787	21.22	77.6	21.14	78.1	.0579	.5519	17.34.4	B	3 12 „

DAILY OBSERVATIONS, FROM 27TH TO 29TH DECEMBER 1863.

DATE. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Horizontal Force Magneto-meter.	Vertical Force Magneto-meter. — Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. — In English Units.	Absolute Vertical Force. — In English Units.	Computed Dip.	Observers.	DATE. Bombay Civil Time. 1863.
h.										h. m.
DEC. 27TH—12	35°238	21.40	77°5	21.15	77°8	8.0609	2.5520	17°34'1	B	4 12 a.m.
13	35·375	21.30	77.0	21.13	77.4	.0594	.5523	17.34.4	G	5 12 „
14	35.170	21.10	76.1	21.16	77.0	.0559	.5521	17·34.7	G	6 12 „
15	33.935	21.33	76·0	21.10	76.6	.0597	.5515	17.34.0	G	7 12 „
16	34.484	21.48	76.0	21.19	76.5	·0622	.5524	17.34.0	G	8 12 „
17	35.787	21.88	77.1	21.39	77.0	.0687	.5546	17·34.0	C	9 12 „
18	36.199	22.17	78.7	21.26	78.0	.0735	.5532	17.32.9	C	10 12 „
19	36.404	22.12	80.0	21.04	78·8	.0726	.5508	17.32.1	C	11 12 „
20	35.924	22.37	81.3	20.61	79.5	.0768	.5461	17.30.7	C	Noon.
21	35.650	22.16	82·1	20.61	80.2	.0733	.5461	17·30.2	B	1 12 p.m.
22	36.061	22.14	82·5	20.62	80.6	.0730	.5462	17.30.2	B	2 12 „
23	35.993	21.90	82·5	20.44	81.2	.0691	.5442	17.29.9	B	3 12 „
DEC. 28TH-Noon.	36.267	21.38	82.0	20·47	82°2	.0605	.5445	17.31·2	B	4 12 „
1	35.856	21.03	80·9	20.51	81.0	.0548	.5450	17.32.1	G	5 12 „
2	36.061	20.95	80.0	20.74	80·1	.0535	.5475	17.33.2	G	6 12 „
3	36.130	20.82	79.3	20.85	79.7	.0513	·5487	17·34·1	G	7 12 „
4	35.856	20.97	79.0	20.97	79.1	.0539	.5500	17·34·2	G	8 12 „
5	35.787	20.89	78.2	21.02	78.7	.0525	.5506	17.34.5	C	9 12 „
6	35.238	20.95	77.6	21.04	78.2	.0535	.5508	17.34·5	C	10 12 „
7	35.444	20.92	76.8	21.14	78.0	·0530	·5519	17.35.0	C	11 12 „
8	35.650	21.00	76.2	21·11	77.3	·0543	.5516	17.34.8	C	Midnight.
9	35.993	21.18	76.0	21.10	76.7	.0572	.5515	17.34.4	B	1 12 a.m.
10	35.513	21.22	75.6	21.15	76.5	.0579	.5520	17.34·5	B	2 12 „
11	35.375	21.24	75.2	21.17	75.8	.0583	.5522	17.34.5	B	3 12 „
12	35.170	21.16	74.8	21.32	75.6	.0569	.5539	17.35·3	B	4 12 „
13	35.238	21.36	74.5	21.36	75.2	.0602	.5543	17.35.1	G	5 12 „
14	34.827	21.36	74.2	21.37	75.0	·0602	.5544	17.35·1	G	6 12 „
15	34.484	21·35	73.6	21.36	74.6	·0600	.5543	17.35·1	G	7 12 „
16	34.621	21.55	74.7	21.39	74.7	.0633	.5546	17.34.8	G	8 12 „
17	34.895	21.90	76.1	21.18	75.3	.0691	·5523	17.33.1	C	9 12 „
18	34.895	22.24	77.7	20.96	76.4	.0747	.5499	17.31.4	C	10 12 „
19	35.238	22.47	79.3	20.68	77.4	.0785	.5468	17.29.7	C	11 12 „
20	35.850	22·24	80.3	20.46	78.1	.0747	.5444	17.29.3	C	Noon.
21	35.718	22.12	80.8	20·41	78.7	.0726	·5439	17.29.4	B	1 12 p.m.
22	36.199	22.04	81.3	20·50	79.4	.0714	.5449	17.30.1	B	2 12 „
23	36.885	21.86	81·5	20.45	79.9	.0684	.5443	17·30.2	B	3 12 „
DEC. 29TH-Noon.	36.951	21·74	81.1	20.36	80.2	.0665	.5433	17.29.9	B	4 12 „
1	36.610	21.58	80.4	20.48	80.0	.0638	.5446	17.30.9	G	5 12 „
2	37.159	21.11	79·2	20.69	79·5	.0561	.5469	17.32.6	G	6 12 „
3	36.473	20.85	78.6	20.81	79.1	.0518	.5483	17.33.7	G	7 12 „
4	36.954	20.80	77·8	20·95	78.2	·0510	.5498	17·34.5	G	8 12 „
5	36.267	20·91	77.3	20.93	77·6	.0529	.5496	17.34.1	C	9 12 „
6	36.061	20.89	76·5	20.99	77.2	.0525	.5502	17.34.3	C	10 12 „
7	36.199	21.03	76.0	21.03	77·0	.0548	.5507	17.34.3	C	11 12 „
8	36.267	21·08	75.3	21.11	76.4	.0556	·5516	17.34.5	C	Midnight.
9	36.130	21.17	75.1	21.23	76.0	.0571	.5529	17.34.9	B	1 12 a.m.
10	35·513	21.11	74.5	21.32	75.5	.0561	.5539	17.35.4	B	2 12 „
11	35·101	21·41	74.5	21.31	75.3	.0611	.5538	17.34.8	B	3 12 „
12	35.513	21.34	74.2	21.41	75.1	.0599	.5549	17.35.3	B	4 12 „
13	35·513	21·27	74·0	21.35	75.0	.0588	.5542	17.35.1	G	5 12 „
14	34.415	21.45	73.9	21.46	74.7	.0617	·5554	17.35.2	G	6 12 „
15	34.278	21.38	73.5	21.52	74.0	.0605	·5561	17.35.6	G	7 12 „
16	35·238	21.52	74.6	21.72	74.0	.0628	.5583	17.36.2	G	8 12 „
17	36.199	21.85	76.3	21.60	75.0	.0682	.5570	17.35.1	C	9 12 „
18	36.130	22.15	77.7	21.15	76.0	.0731	.5520	17.32.6	C	10 12 „
19	35.856	22·39	78.8	20.90	76.8	.0771	.5493	17.31.0	C	11 12 „
20	35.513	22.28	79.0	20.89	77.3	.0753	.5491	17.31.1	C	Noon.
21	35·993	22.05	79.5	20.88	77.6	.0715	.5490	17.31.5	B	1 12 p.m.
22	35.650	22.01	80.0	20.80	78.3	·0709	.5482	17.31.3	B	2 12 „
23	36.061	21.87	80.5	20.71	78.6	.0686	.5472	17.31.0	B	3 12 „

DAILY OBSERVATIONS, FROM 30TH DECEMBER 1863.

Date. Göttingen Mean Time. 1863.	Eastern Declination.	Horizontal Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Horizon-tal Force Magneto-meter.	Vertical Force Magneto-meter. Scale Readings Corrected for Temperature.	Thermo-meter of Vertical Force Magneto-meter.	Absolute Horizontal Force. In English Units.	Absolute Vertical Force. In English Units.	Computed Dip.	Observers.	Date. Bombay Civil Time 1863.
h.										h. m.
Dec. 30th-Noon.	36'130	21.78	79°8	20.58	79°2	8.0671	2.5457	17°30'9	B	4 12 p. m.
1	35·787	21.69	79.1	20.66	79.0	.0656	.5466	17.31.2	G	5 12 „
2	35.787	21.49	78.0	20.83	78.2	.0624	.5485	17.32.5	G	6 12 „
3	35.924	21.39	77.6	20.94	78.0	.0607	.5497	17.33.2	G	7 12 „
4	35.856	21.41	77.0	21.13	77.5	.0611	.5518	17.34.0	G	8 12 „
5	35.513	21.44	76.7	21.12	77.1	.0616	.5517	17.33.8	C	9 12 „
6	35.513	21.44	76.3	21.15	76.8	.0616	.5520	17.33.9	C	10 12 „
7	35.856	21.45	75.8	21.47	76.3	.0617	.5555	17.35.3	C	11 12 „
8	35.650	21.47	75.2	21·46	76.0	.0621	.5554	17.35.2	C	Midnight.
9	35.513	21.39	74.5	21.52	75.5	.0607	.5561	17.35.6	B	1. 12 a.m.
10	35.307	21.54	74.4	21.60	75.0	.0632	.5570	17·35.7	B	2 12 „
11	35.170	21.54	74.4	21.69	74.8	.0632	.5579	17.36.0	B	3 12 „
12	35.444	21.49	74.2	21.72	74.6	.0624	.5583	17.36.3	B	4 12 „
13	35.101	21.57	74.0	21.76	74.0	.0637	.5587	17.36.3	G	5 12 „
14	34.827	21.57	73.2	21.81	73.8	.0637	.5593	17.36.5	G	6 12 „
15	35.101	21.50	72.5	21.79	73.1	.0625	.5590	17.36.5	G	7 12 „
16	34.827	21.76	73.4	21.80	73.2	.0668	.5592	17.36.0	G	8 12 „
17	35.650	22.07	75.1	21.52	74.0	.0719	.5561	17.34.2	C	9 12 „
18	35.307	22.11	76.0	21.17	75.0	.0725	.5522	17.32.6	C	10 12 „
19	34·758	22.25	77.1	20·84	75.6	.0748	.5486	17.30.9	C	11 12 „
20	35.101	22.40	78.7	20.71	76.6	.0773	.5472	17.30.1	C	Noon.
21	35.718	22.24	79.4	20.72	77.2	.0747	.5473	17.30.4	B	1 12 p. m.
22	35.856	21.99	79.5	20.66	77.9	.0706	.5466	17.30.7	B	2 12 „
23	35.650	21.94	79.6	20.56	78.6	.0698	.5455	17.30.5	B	3 12 „

OBSERVATIONS OF INCLINATION,

1863.

NOTE—*These Observations were taken with a Dip Circle made by Henry Barrow.*

OBSERVATIONS OF INCLINATIONS, 1863.

Made at Bombay about ½ hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
JAN. 2	19°12′5	19°37′5	19°25′0	19°20′0	19°07′5	17°32′5	16°42′5	19°57′5	18°51′9	
6	19.00.0	19.35.0	20.25.0	19.35.0	22.22.5	17.10.0	16.02.5	17.35.0	18.58.1	
9	19.02.5	20.00·0	20.12.5	19.30.0	21.52.5	17.22.5	16.17.5	21.15.0	19.26.6	
13	19.02.5	20.05.0	20.10.0	19.20.0	20.42.5	17.05.0	16.55.0	20·05.0	19.10.6	
16	19.40.0	19.55.0	20.17.5	19.05.0	20.07·5	17.30.0	17.20.0	20.35.0	19.18.8	19°13′1
20	19.02.5	20.15.0	20.17.5	19.10.0	20.22.5	17.05·0	16.32.5	20.25.0	19·08.8	
23	18.50.0	20.40.0	20.45.0	19.50.0	20.50.0	17.05.0	17.10.0	20·07.5	19.24.7	
27	19.10.0	20.45.0	19.57.5	19.00.0	20.35.0	17.00.0	17.07.5	20.40.0	19.16.9	
30	19.10.0	20.27.5	20.20.0	19.10.0	21.32.5	16.15.0	16.30.0	21.25.0	19.21.2	
FEB. 3	19.07.5	20.35.0	20.15.0	19·30.0	20.35.0	17.17.5	16.22.5	20.55.0	19.19.7	
6	18.52.5	20.25.0	20.20.0	19.15.0	20.42.5	17.22.5	16.42.5	20.35.0	19.16.9	
10	19.40.0	19.10.0	20.37.5	19.25.0	16.35.0	17.30.0	16.40.0	22.15.0	19.21.6	
13	19.20.0	20.45.0	20.27.5	19.07.5	20.00.0	17.00.0	16.00.0	20.05.0	19.05.6	19.16.3
20	19.00.0	20.25.0	20.45.0	18.57.5	20.15.0	17.22.5	16.27.5	20.45.0	19.14.7	
24	19.17.5	20.25.0	20.05.0	19.32.5	20.15.0	17.37.5	16.40.0	20.55.0	19.20.9	
27	19.17.5	20.47.5	20.35.0	19.27.5	19.45.0	17.00.0	16.45.0	20.20.0	19.14.7	
MAR. 3	19.00.0	20.22.5	20.45.0	19.00.0	19.45.0	17.42.5	17.02.5	20.42.5	19.17.6	
10	19.20.0	20.17.5	20.30.0	19.15.0	19.45.0	16.55.0	16.57.5	20.35.0	19.11.9	
13	19.05.0	20.32.5	20.15.0	19.05.0	20.02.5	16.40.0	17.05.0	20.55.0	19.12.5	19.12.5
17	18.57.5	20.35.0	20.05.0	19.05.0	20.25.0	17.22.5	16.40.0	20.35.0	19.13.1	
20	19.00.0	20.17.5	19.55.0	18.32.5	19.55.0	18.30.0	16.37.5	20.25.0	19.09.1	
24	19.20.0	20.30.0	19.55.0	19.20.0	20.20.0	18.20.0	17.00.0	19.40.0	19.18.1	
27	18.55.0	20.17.5	19.55.0	19.10.0	19.45.0	17.32.5	16.50.0	20.05.0	19.03.8	
31	19.00.0	20.52.5	20.10.0	19.05.0	19.45.0	17.30.0	17.45.0	19·50.0	19.14.7	

OBSERVATIONS OF INCLINATIONS, 1863.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
APR. 7	18°55'0	20°20'0	20°07'5	18°37'5	19°55'0	17°30'0	17°45'0	19°05'0	19°01'8	
10	19.07.5	19.35.0	19.35.0	18.40.0	19.25.0	17.57.5	17.25.0	21.15.0	19.07.5	
14	19.00.0	20.25.0	20.15.0	18.57.5	20.02.5	17.45.0	17.02.5	20.50.0	19.17.2	
17	18.55.0	20.30.0	19.35.0	18.40.0	19.40.0	18.05.0	17.37.5	20.25.0	19.10.9	19°11'1
21	20.17.5	20.02.5	18.55.0	19.15.0	19.45.0	18.07.5	18.02.5	20.05.0	19.18.8	
24	19.17.5	19.45.0	20.05.0	19.15.0	20.40.0	17.17.5	17.20.0	20.50.0	19.18.8	
28	19.07.5	19.37.5	20.07.5	19.12.5	19.55.0	16.35.0	17.07.5	21.02.5	19.05.6	
MAY 1	18.37.5	19.27.5	20.07.5	19.12.5	22.30.0	16.55.0	17.12.5	22.05.0	19.30.9	
5 *	18.10.0	19.10.0	18.30.0	19.40.0	25.12.5	16.47.5	16.30.0	25.25.0	19.55.6 *	
8	18.07.5	19.02.5	18.20.0	18.27.5	23.55.0	16.50.0	16.37.5	24.25.0	19.28.1	
12	18.07.5	18.25.0	18.50.0	18.20.0	21.15.0	16.57.5	16.52.5	23.35.0	19.02.8	
15	18.12.5	19.15.0	18.55.0	18.40.0	23.25.0	17.07.5	17.42.5	21.20.0	19.19.7	19.15.5
19	18.07.5	18.42.5	19.17.5	18.37.5	21.57.5	17.27.5	17.17.5	23.17.5	19.20.6	
22	18.22.5	19.32.5	19.45.0	18.35.0	20.42.5	17.07.5	17.05.0	21.12.5	19.02.8	
26	18.12.5	19.27.5	19.50.0	18.27.5	21.05.0	17.20.0	17.42.5	21.35.0	19.12.5	
29	18.27.5	18.42.5	19.25.0	19.00.0	20.45.0	18.17.5	18.02.5	20.15.0	19.06.9	
JUNE 2	18.32.5	18.47.5	19.45.0	18.30.0	20.22.5	18.37.5	17.52.5	21.02.5	19.11.2	
5	18.22.5	19.15.0	19.25.0	18.30.0	20.37.5	18.22.5	17.45.0	21.12.5	19.11.2	
9	18.15.0	19.27.5	19.10.0	18.27.5	20.55.0	17.50.0	17.57.5	21.15.0	19.09.7	
12	18.22.5	19.25.0	19.20.0	18.30.0	20.10.0	18.22.5	18.02.5	21.17.5	19.11.2	
16	18.02.5	19.25.0	19.40.0	18.22.5	20.20.0	18.22.5	18.07.0	20.27.5	19.05.9	19.08.7
19	18.12.5	19.27.5	19.30.0	18.25.0	20.30.0	18.25.0	18.25.0	20.35.0	19.11.2	
23	18.17.5	19.07.5	19.25.0	18.15.0	20.25.0	18.37.5	18.22.5	20.37.5	19.08.4	
26	18.07.5	19.05.0	19.10.0	18.35.0	20.00.0	18.32.5	18.07.5	20.50.0	19.03.4	
30	18.00.0	19.17.5	19.25.0	18.20.0	20.35.0	18.22.5	18.42.5	20.10.0	19.06.6	
JULY 3	18.20.0	19.07.5	19.25.0	18.15.0	21.05.0	17.55.0	18.02.5	21.05.0	19.09.4	
7	18.20.0	19.12.5	19.25.0	18.30.0	20.35.0	18.02.5	18.00.0	20.45.0	19.06.2	
10	18.15.0	19.17.5	19.30.0	18.27.5	20.25.0	18.07.5	17.52.5	21.05.0	19.07.5	
14	18.20.0	19.17.5	19.10.0	18.37.5	20.37.5	18.15.0	18.02.5	20.45.0	19.08.1	
17	18.37.5	19.02.5	19.15.0	18.42.5	20.45.0	18.20.0	18.37.5	20.27.5	19.13.4	19.08.4
21	18.07.5	19.17.5	19.10.0	18.30.0	20.20.0	18.37.5	18.12.5	20.30.0	19.05.6	
24	18.20.0	19.22.5	19.20.0	18.22.5	20.30.0	18.20.0	18.30.0	20.45.0	19.11.2	
28	18.25.0	19.17.5	19.15.0	18.35.0	20.25.0	18.25.0	18.22.5	20.25.0	19.08.8	
31	18.17.5	19.07.5	19.20.0	18.20.0	20.35.0	18.17.5	18.07.5	20.35.0	19.05.0	
AUG. 4	18.07.5	19.27.5	19.15.0	18.40.0	20.25.0	18.27.5	18.25.0	20.17.5	19.08.1	
7	18.22.5	19.12.5	19.22.5	18.37.5	20.22.5	18.20.0	18.22.5	20.37.5	19.09.7	
11	18.22.5	19.17.5	19.30.0	18.37.5	20.35.0	18.00.0	18.15.0	20.27.5	19.08.1	19.07.4
14	18.10.0	19.20.0	19.10.0	18.32.5	20.20.0	18.40.0	18.12.5	20.30.0	19.06.9	
18	18.27.5	19.20.0	19.05.0	18.37.5	20.15.0	18.37.5	18.32.5	20.15.0	19.08.8	
21	18.22.5	19.20.0	19.20.0	18.22.5	20.20.0	18.17.5	18.17.5	20.35.0	19.06.9	
25	18.20.0	19.02.5	19.10.0	18.22.5	20.05.0	18.35.0	18.25.0	20.25.0	19.03.1	
SEPT. 1	18.10.0	19.27.5	19.15.0	18.27.5	20.25.0	18.22.5	18.25.0	20.37.5	19.08.8	
4	18.12.5	19.32.5	19.05.0	18.20.0	20.15.0	18.27.5	18.25.0	20.22.5	19.05.0	
8	18.07.5	19.35.0	19.35.0	18.20.0	20.22.5	17.47.5	17.52.5	21.00.0	19.05.0	
11	18.22.5	19.20.0	19.47.5	18.25.0	20.30.0	18.22.5	17.42.5	20.55.0	19.10.6	
15	17.52.5	19.32.5	19.40.0	18.25.0	20.10.0	18.37.5	18.42.5	20.22.5	19.10.3	19.08.4
18	18.20.0	19.15.0	19.25.0	18.25.0	19.55.0	18.45.0	18.37.5	20.25.0	19.08.4	
22	18.27.5	19.17.5	19.25.0	18.30.0	20.15.0	18.35.0	18.05.0	20.37.5	19.09.0	
25	18.35.0	19.17.5	19.22.5	18.32.5	20.05.0	18.20.0	18.15.0	20.17.5	19.05.6	
29	18.42.5	19.12.5	19.10.0	18.40.0	20.37.5	18.10.0	18.30.0	20.42.5	19.13.1	

* The observation being too much at variance with the mean Dip, is not taken into account in finding the monthly mean.

OBSERVATIONS OF INCLINATIONS, 1863.

Made at Bombay about 1 hour before Noon.

Date. Bombay Mean Time.	POLES DIRECT. Face of Needle. Direct.		Reversed.		POLES REVERSED. Face of Needle. Direct.		Reversed.		Mean.	Monthly Mean.
	a	*a'*	*a''*	*a'''*	*b*	*b'*	*b''*	*b'''*		
Oct. 2	18°22'5	19°17'5	19°35'0	18°30'0	20°02'5	18°25'0	18°30'0	20°22'5	19°08'1	
6	18.12.5	19.22.5	19.17.5	18.22.5	20.22.5	18.42.5	18.22.5	20.32.5	19.09.4	
9	18.20.0	19.27.5	19.20.0	18.22.5	20.22.5	18.27.5	18.15.0	20.22.5	19.07.2	
13	18.15.0	19.20.0	19.30.0	18.35.0	20.15.0	18.12.5	18.27.5	20.22.5	19.07.2	
16	18.12.5	19.25.0	19.32.5	18.22.5	20.02.5	18.32.5	18.17.5	20.35.0	19.07.5	19°07'6
20	18.17.5	19.15.0	19.25.0	18.17.5	20.20.0	18.30.0	18.22.5	20.22.5	19.06.2	
23	18.02.5	19.32.5	19.22.5	18.32.5	20.10.0	18.32.5	18.20.0	20.27.5	19.07.5	
27	18.02.5	19.25.0	19.15.0	18.30.0	20.15.0	18.27.5	18.27.5	20.22.5	19.05.6	
30	18.37.5	19.20.0	19.17.5	18.50.0	20.45.0	17.42.5	17.10.0	21.35.0	19.09.7	
Nov. 3	18.12.5	19.22.5	19.20.0	18.27.5	20.15.0	18.22.5	17.57.5	20.35.0	19.04.1	
6	18.22.5	19.17.5	19.47.5	18.37.5	19.37.5	18.22.5	18.22.5	20.42.5	19.08.8	
10	18.22.5	19.15.0	19.15.0	18.40.0	20.15.0	18.35.0	18.32.5	20.10.0	19.08.1	
13	17.40.0	19.17.5	19.50.0	18.12.5	20.25.0	18.42.5	18.17.5	20.27.5	19.06.6	19.08.2
17	18.12.5	19.27.5	19.25.0	18.47.5	20.20.0	18.07.5	18.27.5	20.42.5	19.11.2	
20	18.25.0	19.07.5	19.15.0	18.42.5	20.05.0	18.42.5	18.27.5	20.42.5	19.10.9	
24	18.37.5	18.57.5	19.30.0	18.40.0	20.02.5	18.40.0	18.27.5	20.15.0	19.08.8	
27	18.22.5	19.22.5	19.25.0	18.20.0	19.55.0	18.55.0	18.47.5	19.55.0	19.07.8	
Dec. 1	18.17.5	19.30.0	19.25.0	18.15.0	20.35.0	18.05.0	18.22.5	20.15.0	19.05.6	
4	18.22.5	19.25.0	19.40.0	18.32.5	20.20.0	18.27.5	18.10.0	20.10.0	19.08.4	
8	18.32.5	19.25.0	19.50.0	18.07.5	19.35.0	18.55.0	18.22.5	20.10.0	19.07.2	
11	18.20.0	19.10.0	19.37.5	18.35.0	19.55.0	18.55.0	18.32.5	20.05.0	19.08.8	19.11.0
15	18.30.0	19.15.0	19.15.0	18.17.5	20.15.0	18.25.0	18.10.0	20.20.0	19.03.4	
18	18.20.0	19.15.0	19.25.0	18.37.5	19.35.0	18.35.0	18.17.5	20.40.0	19.05.6	
22	18.27.5	19.17.5	20.02.5	18.22.5	20.25.0	18.42.5	18.10.0	21.20.0	19.20.9	
25	18.30.0	19.30.0	19.55.0	18.22.5	20.25.0	18.22.5	18.45.0	20.57.5	19.20.9	
29	18.12.5	19.50.0	19.40.0	18.22.5	20.52.5	17.50.0	17.42.5	21.55.0	19.18.1	

DEFLECTION OBSERVATIONS.

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date & approximate Hour of Göttingen Mean Time, 1863.		Time of one Vibration of A 61 (corrected).	Distance.	Deflected Magnet I,11.				Corresponding Readings.				Absolute Value of X.	LM.
				East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
				North Pole E.	North Pole W.	North Pole E.	North Pole W.	Scale Division.	Attached Thermometer.	Scale Division.	Attached Thermometer.		
	D. H.	s.	Ft.	Sca. div.	Sca. div.	Sca. div.	Sca. div.		°		°	E. un.	
JAN.	2 21	4.103	1.1	46.240	6.680	46.210	6.175						
			1.2	41.725	11.130	41.690	10.800	21.65	82.3	17.50	75.5	8.085	0.0818
	9 20	4.104	1.1	45.840	6.200	45.880	5.700						
			1.2	41.300	10.720	41.300	10.300	21.53	81.9	17.47	77.6	.073	.0818
	16 19	4.102	1.1	46.400	6.690	46.340	6.150						
			1.2	41.760	11.150	41.800	10.760	21.88	78.1	17.79	72.4	.074	.0819
	23 19	4.100	1.1	46.020	6.300	46.000	5.760						
			1.2	41.450	10.810	41.450	10.450	22.99	74.7	18.63	70.5	.076	.0818
	30 19	4.104	1.1	46.330	6.570	46.270	6.050						
			1.2	41.700	11.060	41.670	10.710	21.80	80.5	17.97	75.6	.069	.0818
FEB.	6 19	4.104	1.1	45.900	6.340	45.960	5.760						
			1.2	41.300	10.860	41.400	10.400	22.41	79.3	18.64	74.3	.080	.0817
	13 18	4.102	1.1	46.060	6.470	46.100	5.950						
			1.2	41.490	10.950	41.510	10.550	22.50	79.4	18.86	74.4	.082	.0818
	20 19	4.103	1.1	46.100	6.540	46.060	6.040						
			1.2	41.500	11.000	41.520	10.660	22.96	82.8	19.06	79.8	.089	.0817
	27 19	4.104	1.1	46.140	6.480	46.100	5.960						
			1.2	41.540	10.960	41.550	10.650	21.70	83.0	17.24	78.6	.077	.0817
MARCH	6 19	4.104	1.1	45.940	6.180	45.900	5.720						
			1.2	41.340	10.680	41.300	10.360	22.16	82.5	18.60	78.4	.070	.0818
	13 19	4.101	1.1	45.960	6.300	45.900	5.800						
			1.2	41.350	10.800	41.350	10.450	23.05	79.7	19.59	75.7	.085	.0818
	20 19	4.100	1.1	46.180	6.670	46.150	6.000						
			1.2	41.640	10.960	41.550	10.650	22.58	83.9	20.11	80.1	.080	.0819
	27 19	4.104	1.1	46.440	6.740	46.360	6.280						
			1.2	41.880	11.240	41.840	10.920	21.56	87.0	19.03	83.6	.075	.0818
APRIL	3 19	4.104	1.1	46.220	6.560	46.120	6.060						
			1.2	41.600	11.060	41.560	10.700	21.82	84.4	19.31	81.5	.082	.0817
	10 20	4.104	1.1	45.910	6.120	45.800	5.750						
			1.2	41.280	10.660	41.220	10.370	21.69	86.4	19.30	85.0	.076	.0817
	17 19	4.104	1.1	45.900	6.200	45.820	5.740						
			1.2	41.320	10.680	41.280	10.400	21.49	86.2	19.31	83.4	.077	.0817
	24 18	4.104	1.1	45.700	6.100	45.680	5.600						
			1.2	41.140	10.550	41.120	10.250	21.36	87.7	19.16	84.5	.081	.0817
MAY	1 18	4.106	1.1	45.960	6.400	45.950	5.870						
			1.2	41.400	10.900	41.380	10.540	21.18	87.7	18.18	84.5	.082	.0817
	8 18	4.105	1.1	45.900	6.370	45.860	5.850						
			1.2	41.300	10.850	41.280	10.450	21.48	88.9	19.07	86.3	.088	.0816
	15 18	4.108	1.1	46.040	6.440	46.000	5.960						
			1.2	41.400	10.900	41.420	10.600	21.05	87.9	18.35	85.0	.079	.0816
	22 19	4.106	1.1	45.730	6.200	45.670	5.670						
			1.2	41.130	10.650	41.110	10.310	21.38	90.0	18.80	87.9	.087	.0816
	29 19	4.106	1.1	45.960	6.480	45.940	5.960						
			1.2	41.400	10.960	41.380	10.500	21.41	89.6	18.75	86.5	.087	.0816
JUNE	5 22	4.108	1.1	45.680	6.130	45.700	5.650						
			1.2	41.100	10.650	41.120	10.300	21.04	89.0	18.03	86.7	.081	.0816
	12 18	4.104	1.1	45.700	6.100	45.740	5.600						
			1.2	41.160	10.600	41.160	10.300	21.71	83.8	19.38	81.5	.081	.0817

OBSERVATIONS FOR ABSOLUTE DETERMINATIONS OF HORIZONTAL FORCE.

Date & approximate Hour of Göttingen Mean Time, 1863.			Time of one Vibration of A 51 (corrected).	Distance.	Deflected Magnet I,11.				Corresponding Readings.				Absolute Value of X.	LM.
					East Side.		West Side.		Large Horizontal Force.		Small Horizontal Force.			
					North Pole E.	North Pole W.	North. Pole E.	North. Pole W.	Scale Division.	Attached Thermometer.	Scale. Division.	Attached Thermometer.		
	D.	H.	S.	Ft.	Sca. div.	Sca. div.	Sca. div.	Sca. div.		°	'	°	E. un.	
July	3	19	4.107	1.1	46.300	6.800	46.280	6.300						
				1.2	41.760	11.360	41.740	10.940	21.60	85.6	19.78	83.0	8.088	0.0815
	10	19	4.104	1.1	46.150	6 650	46.130	6.100						
				1.2	41.580	11.120	41.600	10.740	21.62	82.9	19.78	80.4	.090	.0816
	31	19	4.105	1.1	45.940	6.400	45.970	5.850						
				1.2	41·400	10.900	41.420	10.540	22.20	82.6	20.62	80.2	.082	.0817
Aug.	7	20	4.107	1.1	46.240	6.700	46.300	6.100						
				1.2	41.660	11.200	41.740	10.740	21.42	83.7	19.44	81.9	.074	.0817
	14	19	4.107	1.1	46.490	6.850	46.540	6.250						
				1.2	41.900	11.350	41.920	10.960	20.96	80.8	18.62	78.4	.067	.0817
	28	22	4.113	1.1	46.400	6.800	46.400	6.200						
				1.2	41.800	11.360	41.800	10.860	20.33	84.0	17.90	81.5	.063	.0816
Sept.	11	18	4.106	1.1	46.400	6.800	46.440	6.160						
				1.2	41.800	11.640	41.850	10.850	21.41	82.5	19.28	80.1	.082	.0817
	18	18	4.103	1.1	46.450	6.850	46.450	6.250						
				1.2	41.880	11.400	41.850	10.910	21.01	83.0	18.60	80.0	.081	.0818
	25	19	4.109	1.1	46.600	7.050	46.660	6.400						
				1.2	42.060	11.470	42.050	11.100	20.93	84.6	18.18	81.9	.065	.0817
Oct.	2	19	4.108	1.1	46.380	6.920	46.460	6.300						
				1.2	41.820	11.380	41.900	11.000	21.50	85.0	19.33	81.9	.078	.0816
	9	18	4.110	1.1	46.800	7.220	46.890	6.670						
				1.2	42.250	11.700	42.250	11.300	20.90	85.8	18.15	82.1	.065	.0817
	16	19	4.108	1.1	46.460	7.050	46.550	6.450						
				1.2	41.880	11.500	41.950	11.100	21.51	87.5	19.50	84.0	.085	.0816
	23	19	4.106	1.1	46.400	6.900	46.420	6.300						
				1.2	41.800	11.360	41.850	10.950	21.54	85.2	18.63	81.7	.082	.0817
	30	18	4.106	1.1	46.330	6.900	46.410	6.330						
				1.2	41.780	11.390	41.840	10.970	22.50	82.1	19.26	78.2	.087	.0816
Nov.	6	18	4.109	1.1	46.500	7.000	46.560	6.400						
				1.2	41.920	11.500	41.970	11.050	21.72	82.1	17.85	78.2	.076	.0815
	13	18	4.109	1.1	46.380	7.020	46.500	6.440						
				1.2	41.820	11.520	41.900	11.100	22.69	80.6	18.26	76.0	.090	.0814
	20	19	4.111	1.1	46.700	7.240	46.750	6.670						
				1.2	42.150	11.750	42.170	11.300	21.32	85.6	17.30	80.3	.077	.0815
	27	18	4.108	1.1	46.680	7.200	46.720	6 620						
				1.2	42.100	11.700	42.140	11.300	22.79	81.6	18.45	76.3	.082	.0816
Dec.	4	19	4.109	1.1	46.410	7.090	46.500	6.500						
				1.2	41.850	11.550	41.940	11.150	21.89	82.6	16.45	77.4	.093	.0814
	11	19	4.109	1.1	46.640	7.150	46.640	6.570						
				1.2	42.080	11.620	42.080	11.240	22.34	81.8	18.00	77.4	.079	.0815
	18	18	4.110	1.1	46.540	7.100	46.600	6.520						
				1.2	42.000	11.530	42.040	11.150	22.21	79.1	17.21	74.0	.074	.0816
	29	16	4.108	1.1	46.730	7.270	46.800	6.640						
				1.2	42.150	11.750	42.250	11·300	22.52	74.4	16.96	70.0	.078	.0816

BOMBAY GOVERNMENT OBSERVATORY.

TERM-DAY OBSERVATIONS.

1863.

TERM-DAY OBSERVATIONS, ON THE 21ST OF JANUARY 1863.

LARGE DECLINATION MAGNETOMETER (*In Arc*).

Göttingen Mean Time.	10h	11h	12h.	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	31'397	31'534	31'259	30'711	30'368	30'025	30'848	31'808	31'602	30'711	31.054	32'426
5 0	31.397	31.671	31.054	30.505	30.505	30.025	31.054	31.945	31.602	30.779	31.054	32.769
10 0	31.328	31.671	31.122	30.368	30.505	30.025	31.397	31.945	31.397	30.505	31.377	32.769
15 0	31.465	31.602	31.054	30.299	30.299	30.025	31.534	31.877	30.985	30.436	31.054	32.769
20 0	31.465	31.534	31.054	30.230	30.025	30.025	31.671	31.808	30.711	30.230	31.054	32.769
25 0	31.397	31.534	31.054	30.162	30.025	30.025	31.808	31.877	30.711	30.299	31.397	32.631
30 0	31.397	31.397	30.985	30.230	30.025	30.299	31.945	32.083	30.916	30.368	31.465	32.631
35 0	31.397	31.397	30.711	30.299	30.025	30.368	31.877	32.357	30.711	30.436	31.740	32.563
40 0	31.397	31.259	30.848	30.230	30.025	30.368	31.808	32.220	30.711	30.711	31.740	32.769
45 0	31.328	31.122	30.779	30.368	30.025	30.573	31.671	32.083	30.916	30.711	31.740	32.426
50 0	31.328	31.191	30.711	30.230	30.025	30.711	31.671	31.945	31.054	30.779	32.083	32.426
55 0	31.328	31.191	30.711	30.093	30.025	30.779	31.671	31.808	30.916	30.985	32.288	32.769

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.85	21.85	21.78	22.08	22.45	22.75	23.00	23.13	23.00	22.90	22.75	22.45
7 0	21.86	21.82	21.85	22.10	22.50	22.80	22.95	23.10	23.02	22.88	22.75	22.45
12 0	21.84	21.80	21.88	22.14	22.52	22.82	23.00	23.12	23.02	22.86	22.75	22.45
17 0	21.87	21.76	21.90	22.18	22.69	22.82	23.03	23.15	23.00	22.80	22.70	22.44
22 0	21.90	21.75	21.90	22.20	22.84	22.82	23.05	23.18	23.00	22.82	22.65	22.36
27 0	21.90	21.75	21.88	22.28	22.88	22.82	23.05	23.12	23.92	22.86	22.70	22.42
32 0	21.91	21.74	21.92	22.28	22.70	22.76	23.04	23.05	23.00	22.90	22.70	22.38
37 0	21.91	21.74	22.00	22.26	22.60	22.76	23.09	22.95	23.00	22.92	22.64	22.37
42 0	21.91	21.72	22.04	22.30	22.60	22.80	23.07	22.88	23.00	22.86	22.64	22.35
47 0	21.90	21.71	22.04	22.32	22.64	22.80	23.10	22.90	23.05	22.75	22.60	22.36
52 0	21.92	21.70	22.05	22.28	22.70	22.86	23.12	22.85	23.10	22.72	22.50	22.40
57 0	21.88	21.75	22.08	22.38	22.73	22.94	23.14	22.92	23.00	22.74	22.42	22.40
Therm.	78°7	78°5	77°3	76°7	76°3	76°0	75°0	74°9	74°6	74°6	74°8	75°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	42.72	42.80	43.00	43.08	43.05	42.54	43.05	43.12	42.85	43.00	43.46	43.71
8 0	42.74	42.82	43.00	43.08	43.08	42.50	43.00	43.12	42.88	43.00	43.55	43.70
13 0	42.75	42.85	43.00	43.08	43.10	42.50	43.04	43.10	42.88	43.00	43.60	43.70
18 0	42.78	42.88	43.00	43.10	43.10	42.60	43.06	43.06	42.85	43.06	43.64	43.66
23 0	42.78	42.90	43.00	43.10	43.10	42.68	43.08	43.02	42.85	43.10	43.60	43.63
28 0	42.76	42.92	43.00	43.10	43.08	42.70	43.10	42.95	42.88	43.22	43.60	43.60
33 0	42.76	42.95	43.00	43.10	43.00	42.80	43.10	42.92	42.86	43.34	43.60	43.60
38 0	42.75	42.95	43.02	43.08	42.92	42.86	43.12	42.92	42.82	43.36	43.64	43.60
43 0	42.75	42.98	43.04	43.08	42.86	82.90	43.14	42.90	42.84	43.38	43.66	43.65
48 0	42.75	23.00	43.04	43.10	42.80	42.94	43.16	42.88	42.80	43.38	43.68	43.65
53 0	42.75	23.00	43.04	43.10	42.70	42.98	43.16	42.86	42.80	43.40	43.70	43.60
58 0	42.78	23.00	43.04	43.06	42.60	43.05	43.15	42.82	42.88	43.40	43.70	43.57
Therm.	78°0	77°6	77°1	77°0	77°0	76°8	76°0	75°5	75°3	75°2	75°0	75°0

TERM-DAY OBSERVATIONS, ON THE 21ST OF JANUARY 1863.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32'426	32'446	32'151	31'191	31'397	32'083	31'054	31'534	31'397	31'397	31'740	31'740
5 0	32·426	32.446	32.151	31.054	31·740	32.083	31.259	31.534	31.397	31.397	31.740	31.740
10 0	32·494	32·494	31.740	31.397	31.740	32.083	31.397	31.465	31.397	31.397	31.740	31.740
15 0	32.494	32.357	31.397	31.397	31.740	31·877	31.524	31.465	31.397	31.740	31.740	31.740
20 0	32.494	32.288	31.397	31.465	31·740	31.740	31.524	31.671	31·397	31.740	31.740	31.397
25 0	32.426	32.357	31.740	31.054	31.740	31.740	31.671	31.671	31.465	31.877	31.602	31.397
30 0	32.288	32.494	31 740	31.397	31·740	31.740	31.671	31.671	31.534	31.877	31.602	31.054
35 0	32.220	32·426	31.671	31.534	31.397	31.397	31.602	31.671	31.671	32.014	31.602	31.054
40 0	32.220	32.357	32.083	31.397	31.397	31.397	31.534	31.671	31.740	32.014	31·740	31.054
45 0	32.220	32.220	32.083	31.191	31.740	31.397	31.465	31.671	31.740	31.740	31.740	31.397
50 0	32.288	32.083	31.740	31.397	32.014	31.397	31·465	31.534	31.740	31.740	31.740	31.397
55 0	32.288	32.014	31.534	31.397	32.014	31.259	31·534	31.534	31.602	31.740	31.740	31.397

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	22.38	22.35	22.44	22.55	22.66	22.60	22.80	22.80	22.82	22.80	22.80	23.00
7 0	22.42	22.35	22.46	22.55	22.70	22.60	22.78	22.82	22·82	22.80	22.80	22.93
12 0	22.40	22.36	22.40	22 58	22.66	22.60	22.79	22.83	22.80	22.78	22.88	22.98
17 0	22.41	22.40	22·46	22.56	22.60	22.66	22.80	22.81	22.78	22.74	22.94	23.00
22 0	22.43	22.42	22.48	22.54	22.60	22.70	22.82	22.80	22.76	22.76	23.04	23.00
27 0	22.40	22.39	22.45	22.50	22.60	22.74	22.80	22.80	22.76	22.80	23.14	23.00
32 0	22.37	22.38	22.48	22.52	22.56	22.76	22.80	22.80	22.73	22.78	23.20	23.00
37 0	22.36	22.36	22.50	22.56	22.50	22.70	22.83	22.80	22.72	22.76	23.26	23.00
42 0	22.33	22.35	22.50	22.55	22.50	22.66	22.85	22.82	22.70	22.78	23.30	23.05
47 0	22.28	22.38	22.52	22.55	22.50	22.70	22.84	22.82	22.70	22.80	23.20	23.10
52 0	22.25	22.33	22.56	22.58	22.50	22.70	22.86	22.84	22.70	22.82	23.70	23.10
57 0	22.30	22.39	22.58	22.60	22.56	22.76	22.83	22.82	22.74	22·80	23.05	23.16
Therm.	74°6	73°8	73°5	73°0	72°5	71°9	71°9	71°8	71°8	71°5	71°3	70°5

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	43.57	43.55	43.50	43.60	43.86	43.92	44.20	44.17	44.25	44.34	44.40	44.38
8 0	43.55	43.52	43.50	43.60	43.90	43.96	44.22	44.15	44.25	44.36	44.40	44.38
13 0	43.55	43.54	43.50	43.62	43.94	43.96	44.24	44.16	44.25	34.38	44.36	44 32
18 0	43.55	43.52	43.52	43.66	43.96	43.98	44.24	44.16	44.28	44.40	44.32	44.30
23 0	43.56	43.50	43.54	43.68	43.98	44.04	44.25	44.16	44.26	44·40	44·30	44.25
28 0	43.56	43.50	43 54	43.68	44.00	44.04	44.23	44.15	44.25	44.40	44.30	44.20
33 0	43.55	43.50	43.54	43.70	44.00	44.04	44.22	44.18	44.25	44 42	44·32	44.20
38 0	43.55	43.48	43.56	43.70	44.00	44.10	44.20	44.20	44.23	44.38	44.34	44.26
43 0	43.55	43.46	43.58	43.70	44.00	44.16	44.18	44.21	44.24	44.40	44.35	44.30
48 0	43.55	43.49	43.56	43.70	43.96	44.20	44.15	44.22	44.24	44.38	44.35	44.36
53 0	43.55	43.52	43.56	43.70	43.92	44.23	44.16	44.22	44.24	44.40	44.35	44.33
58 0	43.55	43.52	43.60	43.74	43·92	44.20	44.18	44.25	44.30	44.40	44.38	44.30
Therm.	74°5	74°3	73°6	73°5	73°4	72°7	72°5	72°3	72°3	72°0	71°9	71°2

TERM-DAY OBSERVATIONS, ON THE 27TH OF FEBRUARY 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	32'769	33'180	33'592	33'455	33'317	33'455	33'798	34'415	33'660	32'357	31'877	31'397
5 0	32.837	33.180	33.660	33.386	33.386	33.660	34.141	34.346	33.386	32.288	32.083	31.534
10 0	32.700	33.112	33.729	33.386	33.660	33.798	34.141	34.278	33.455	32.220	32.014	31.671
15 0	32.671	33.180	33.729	33.455	33.798	33.935	34.141	34.209	33.249	32.151	31.945	31.808
20 0	32.671	33.180	33.660	33.386	33.729	33.660	34.209	34.141	32.906	32.083	31.877	32.083
25 0	32.700	33.249	33.660	33.386	33.660	33.386	34.209	34.278	32.769	31.945	31.740	32.014
30 0	32.700	33.249	33.592	33.317	33.592	33.112	34.346	34.278	32.631	31.945	31.534	32.083
35 0	32.837	33.386	33.523	33.317	33.386	33.523	34.346	34.209	22.494	31.945	31.740	32.151
40 0	32.837	33.455	33.455	33.180	33.249	33.798	34.278	34.209	22.494	31.945	31.808	32.220
45 0	32.906	33.455	33.455	32.974	33.043	33.660	34.209	34.141	32.426	31.945	31.740	32.288
50 0	32.906	33.523	33.455	33.112	32.906	33.798	34.209	34.072	32.426	31.877	31.534	32.357
55 0	32.906	33.523	33.455	33.180	33.249	33.592	34.346	34.072	32.357	31.877	31.397	32.357

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.00	21.32	21.31	21.28	21.22	21.30	21.55	21.65	21.62	21.69	21.55	21.49
7 0	21.02	21.32	21.36	21.25	21.25	21.34	21.52	21.71	21.66	21.66	21.58	21.46
12 0	21.10	21.34	21.34	21.21	21.30	21.36	21.50	21.72	21.65	21.67	21.60	21.44
17 0	21.13	21.35	21.37	21.20	21.28	21.39	21.51	21.74	21.65	21.66	21.64	21.42
22 0	21.12	21.35	21.40	21.18	21.28	21.40	21.51	21.70	21.67	21.66	21.65	21.40
27 0	21.00	21.36	21.35	21.22	21.32	21.40	21.53	21.66	21.69	21.65	21.65	21.38
32 0	21.05	21.36	21.33	21.23	21.30	21.39	21.50	21.65	21.68	21.65	21.63	21.34
37 0	21.10	21.37	21.31	21.24	21.28	21.40	21.52	21.64	21.70	21.66	21.66	21.36
42 0	21.12	21.37	21.30	21.25	21.24	21.40	21.54	21.63	21.71	21.64	21.66	21.30
47 0	21.17	21.38	21.33	21.25	21.25	21.44	21.57	21.63	21.70	21.63	21.70	21.28
52 0	21.20	21.38	21.34	21.21	21.24	21.46	21.58	21.62	21.70	21.61	21.68	21.26
57 0	21.22	21.38	21.30	21.18	21.26	21.52	21.59	21.62	21.71	21.60	21.60	21.20
Therm.	80°5	79°8	79°7	79°9	79°4	78°7	78°5	80°2	81°8	83°4	84°5	85°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	45.00	45.02	45.12	45.24	45.34	45.30	45.25	45.15	44.90	44.50	44.35	44.18
8 0	45.03	45.02	45.15	45.24	45.34	45.30	45.26	45.10	44.84	44.50	44.38	44.20
13 0	45.05	45.03	45.18	45.24	45.36	45.28	45.26	45.08	44.82	44.46	44.40	44.18
18 0	45.04	45.05	45.18	45.24	45.36	45.30	45.27	45.00	44.76	44.45	44.40	44.20
23 0	45.02	45.06	45.20	45.22	45.30	45.28	45.28	44.95	44.74	44.42	44.38	44.20
28 0	45.05	45.08	45.22	45.22	45.26	45.26	45.28	44.92	44.65	44.40	44.30	44.20
33 0	45.07	45.08	45.22	45.24	45.22	45.28	45.30	44.90	44.62	44.38	44.30	44.18
38 0	45.07	45.10	45.22	45.25	45.20	45.30	45.32	44.90	44.52	44.38	44.28	44.16
43 0	45.06	45.11	45.24	45.25	45.16	45.30	45.29	44.88	44.52	44.36	44.26	44.20
48 0	45.05	45.12	45.25	45.25	45.18	45.32	45.27	44.89	44.50	44.35	44.26	44.24
53 0	45.05	45.12	45.25	45.28	45.20	45.30	45.25	44.90	44.52	44.35	44.26	44.26
58 0	45.04	45.12	45.24	45.33	45.22	45.25	45.24	44.90	44.49	44.35	44.20	44.30
Therm.	81°0	18°0	80°5	80°1	79°6	79°3	79°3	79°6	80°3	81°5	82°5	83°5

TERM-DAY OBSERVATIONS, ON THE 27TH OF FEBRUARY 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32'769	33'180	33'112	33'043	32'494	32'494	33'455	32'563	32'494	33'112	32'906	33'180
5 0	32.631	33.249	33.112	32.974	32.426	32.426	33.386	32.563	32.357	33.112	33.043	33.180
10 0	32·700	33·249	33.249	32.974	32.494	32.563	33.317	32·494	32.357	33.112	33.180	33.249
15 0	32·700	33·249	33.249	32.906	32.357	32.700	33.249	32.426	32.494	33.112	33.112	33.249
20 0	32.700	33.180	33.317	32.906	32.426	32.837	33.180	32.426	32.631	33.112	33.112	33·249
25 0	32·769	33·112	33.317	32.837	32.426	32.974	33.180	32.426	32.631	33.180	33.180	33.249
30 0	32·837	33.043	33.180	32.769	32.426	33.112	33.112	32.494	32.631	33.112	33.249	33.180
35 0	32.906	32·974	33.180	32.700	32.426	33.249	33.043	32.494	32.700	33.043	33.180	33.043
40 0	32·974	32.974	33·112	32.631	32.426	33.386	33.043	32.563	32.837	33.043	33.180	32.906
45 0	32·974	33.043	33.112	32.631	32.357	33.523	32.974	32.563	32.974	32.906	33.249	32.906
50 0	33.043	33.180	33.112	32.494	32·494	33.523	32.974	32.426	33.112	32.906	33.249	32.906
55 0	33·043	33.180	33.112	32·494	32·494	33.523	32 974	32.426	33.112	32.906	33.249	32.906

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.18	20.92	20.70	20.71	20.77	20.71	20.73	20.75	20.86	21·13	20.85	20.70
7 0	21.15	20.90	20.70	20.72	20.77	20.70	20.76	20.74	20.92	21.19	20.88	20.70
12 0	21.13	20.88	20.70	20·70	20.77	20.68	20.77	20.76	20.90	21.25	20.86	20.68
17 0	21.12	20.87	20.72	20.70	20.74	20.66	20.77	20.78	20.95	21.29	20.80	20.68
22 0	21.12	20.85	20.72	20.71	20.72	20.64	20.72	20.79	20.93	21.32	20.78	20.65
27 0	21.10	20.84	20.73	20.74	20.72	20.65	20.70	20.80	20.94	21.25	20.74	20.65
32 0	21.08	20.83	20·71	20.78	20.75	20.62	20.69	20.82	20.98	21.18	20.70	20.65
37 0	21.05	20.80	20·69	20.76	20.74	20.60	20.70	20.85	21.00	21.05	20.72	20.70
42 0	21.03	20.78	20.66	20.79	20.74	20 62	20.70	20.86	20.97	21.00	20.74	20.78
47 0	21.00	20.77	20.67	20.81	20.76	20.65	20.71	20.88	20.98	20.90	20.75	20.83
52 0	20.96	20.76	20.70	20.84	20.75	20.65	20.71	20.87	21.02	20.82	20.75	20.90
57 0	20.95	20.74	20.69	20.81	20.73	20·68	20.72	20.86	21.05	20.70	20.73	20.90
Therm.	86°5	87°0	86°8	85°5	84°2	83°7	83°0	82°2	81°6	82°6	82°1	82°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	44.28	44.10	44.05	44.10	44.35	44.34	44.48	44·50	44.40	44.52	44.72	44.72
8 0	44 25	44.10	44.03	44.12	44.40	44.34	44.50	44.52	44.44	44.52	44.70	44.74
13 0	44.20	44.09	44.05	44.14	44.38	44.32	44.50	44.53	44.45	44.54	44.70	44·74
18 0	44.20	44.09	44.05	44.15	44.38	44.30	44.49	44.50	44.45	44.54	44.70	44·76
23 0	44.18	44.08	44.04	44.17	44.40	44.34	44.48	44.48	44.45	44·56	44.68	44.78
28 0	44.17	44.08	44.04	44.17	44.40	44.38	44.48	44.49	44.46	44.55	44.66	44·80
33 0	44.15	44.08	44.05	44.15	44.40	44.40	44.46	44.49	44.46	44.59	44.66	44.84
38 0	44.14	44.06	44.05	44.20	44.40	44.45	44.46	44.48	44.46	44.62	44.62	44.80
43 0	44.14	44.07	44.05	44.25	44.40	44.45	44.45	44.46	44.48	44.66	44.60	44.72
48 0	44.12	44.07	44.05	44.28	44.38	44.40	44.45	44.45	44.48	44.66	44.60	44·70
53 0	44.11	44.07	44.05	44.30	44.40	44.40	44.44	44.43	44.50	44.68	44.64	44.68
58 0	44.10	00.00	44.08	44.32	44.36	44.44	44.45	44.43	44.52	44.66	44.70	44.60
Therm.	84°2	85°4	85°4	85°4	84°5	84°0	83°5	83°3	83°0	82°5	82°2	82°0

TERM-DAY OBSERVATIONS, ON THE 18TH OF MARCH 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	33'660	33'455	33'112	33'112	33'043	34'278	35'856	36'336	36'336	35'513	33'523	32'769
5 0	33.729	33.386	33.112	33.112	33.249	34.346	35.924	36.336	36.199	35.444	33.317	32.700
10 0	33.798	33.386	33.180	33.112	33.660	34.484	35.856	36.267	36.199	35.307	33.249	32.700
15 0	33.729	33.249	33.180	33.112	33.798	34.621	35.924	36.191	36.130	35.307	33.112	32.563
20 0	33.729	33.112	33.112	33.112	33.798	34.689	36.061	36.191	36.061	35.170	33.043	32.494
25 0	33.660	33.112	33.112	33.180	33.660	34.689	36.199	36.336	36.061	34.964	32.906	32.426
30 0	33.660	33.249	33.112	33.249	33.660	34.875	36.404	36.404	35.993	34.552	32.906	32.494
35 0	33.660	33.386	33.043	33.249	33.866	35.032	36.336	36.404	35.924	34.415	32.906	32.494
40 0	33.592	33.455	33.043	33.317	34.072	35.307	36.199	36.473	35.924	34.346	32.837	32.494
45 0	33.523	33.592	33.112	33.112	34.072	35.513	36.130	36.542	35.856	34.278	32.906	32.494
50 0	33.592	33.523	33.112	33.043	34.141	35.650	36.199	36.473	35.856	34.209	32.906	32.494
55 0	33.523	33.386	33.112	32.974	34.141	35.718	36.267	36.406	35.856	33.935	32.837	32.494

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.60	22.00	21.70	21.80	21.98	22.10	22.55	22.80	23.00	22.95	22.80	22.49
7 0	21.61	22.02	21.70	21.80	22.00	22.10	22.58	22.85	22.99	22.94	22.70	22.48
12 0	21.63	21.90	21.76	21.80	22.00	22.12	22.60	22.88	22.98	22.94	22.65	22.45
17 0	21.65	21.82	21.78	21.82	22.01	22.11	22.56	22.90	22.98	22.95	22.63	22.42
22 0	21.64	21.78	21.80	21.83	22.03	22.14	22.60	22.92	22.99	22.95	22.61	22.36
27 0	21.65	21.75	21.80	21.83	22.02	22.15	22.58	22.88	22.99	22.92	22.60	22.32
32 0	21.65	21.72	21.81	21.87	22.01	22.20	22.57	22.87	23.00	22.90	22.55	22.28
37 0	21.66	21.78	21.82	21.90	22.03	22.26	22.60	22.85	23.04	22.89	22.52	22.22
42 0	21.68	21.83	21.79	21.91	22.05	22.31	22.68	22.88	23.02	22.89	22.50	22.18
47 0	21.76	21.80	21.78	21.94	22.07	22.35	22.70	22.90	23.02	22.88	22.50	22.15
52 0	21.80	21.80	21.78	21.95	22.09	22.41	22.72	22.90	23.01	22.87	22.50	22.10
57 0	21.93	21.76	21.77	21.95	22.10	22.49	22.76	22.95	23.01	22.86	22.50	22.10
Therm.	80°5	79°8	79°5	79°3	79°0	78°9	79°5	80°7	82°0	82°9	84°0	84°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	50.48	50.52	50.50	50.37	50.50	50.70	50.66	50.60	50.44	50.00	49.53	49.35
8 0	50.50	50.52	50.49	50.37	50.54	50.72	50.64	50.58	50.42	50.00	49.48	49.35
13 0	50.50	50.50	50.48	50.40	50.58	50.74	50.60	50.56	50.40	49.95	49.45	49.35
18 0	50.48	50.50	50.45	50.43	50.62	50.74	50.64	50.54	50.35	49.94	49.44	49.36
23 0	50.48	50.48	50.40	50.44	50.65	50.75	50.66	50.52	50.31	49.91	49.44	49.39
28 0	50.50	50.50	50.40	50.44	50.65	50.75	50.70	50.52	50.30	49.86	49.44	49.40
33 0	50.50	50.50	50.39	50.46	50.65	50.74	50.70	50.50	50.27	49.80	49.42	49.40
38 0	50.50	50.50	50.37	50.47	50.65	50.72	50.70	50.50	50.22	49.75	49.40	49.42
43 0	50.50	50.52	50.36	50.47	50.65	50.72	50.72	50.48	50.20	49.73	49.38	49.42
48 0	50.50	50.54	50.36	50.48	50.65	50.72	50.72	50.40	50.18	49.65	49.36	49.40
53 0	50.50	50.52	50.35	50.48	50.65	50.71	50.70	50.38	50.18	49.60	49.34	49.38
58 0	50.50	50.50	50.35	50.48	50.68	50.68	50.64	50.40	50.08	49.54	49.35	49.40
Therm.	80°9	80°5	80°2	80°1	80°0	79°5	79°6	80°5	81°5	82°2	83°0	83°9

TERM-DAY OBSERVATIONS, ON THE 18TH OF MARCH 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32'631	33'455	33'866	33'935	33'112	33'180	33'455	33'455	33'249	33'523	33'455	33'592
5 0	32.769	33.523	33.798	33.935	33.112	33.249	33.455	33.386	33.249	33.523	33.455	33.592
10 0	32.906	33.455	33.798	33.798	33.112	33.386	33.455	33.523	33.386	33.523	33.455	33.592
15 0	32.974	33.523	33.798	33.660	33.112	33.386	33.455	33.455	33.386	33.592	33.523	33.660
20 0	32.974	33.523	33.798	33.592	33.180	33.455	33.455	33.386	33.386	33.592	33.523	33.660
25 0	33.043	33.660	33.798	33.523	33.180	33.455	33.523	33.386	33.455	33.592	33.523	33.660
30 0	33.112	33.660	33.798	33.455	33.180	33.455	33.455	33.386	33.455	33.592	33.455	33.592
35 0	33.249	33.729	33.798	33.455	33.180	33.523	33.455	33.386	33.455	33.660	33.523	33.592
40 0	33.386	33.798	33.798	33.386	33.180	33.455	33.455	33.386	33.455	33.592	33.592	33.523
45 0	33.455	33.866	33.798	33.317	33.180	33.455	33.455	33.386	33.455	33.523	33.592	33.523
50 0	33.523	33.866	33.866	33.249	33.180	33.455	33.455	33.249	33.523	33.523	33.592	33.523
55 0	33.455	33.729	33.866	33.249	33.180	33.455	33.455	33.386	33.523	33.523	33.592	33.455

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	22.03	21.90	21.65	21.35	21.43	21.43	21.43	21.55	21.50	21.61	21.78	21.90
7 0	22.06	21.88	21.64	21.34	21.45	21.44	21.43	21.54	21.50	21.62	21.79	21.91
12 0	22.02	21.88	21.62	21.34	21.45	21.46	21.45	21.55	21.50	21.63	21.80	21.93
17 0	22.03	21.84	21.60	21.34	21.44	21.48	21.45	21.55	21.50	21.64	21.82	21.92
22 0	22.02	21.82	21.58	21.33	21.42	21.47	21.48	21.54	21.52	21.64	21.84	21.95
27 0	22.00	21.80	21.55	21.33	21.45	21.45	21.46	21.52	21.53	21.65	21.83	21.94
32 0	22.00	21.78	21.54	21.34	21.43	21.45	21.44	21.50	21.54	21.66	21.80	21.94
37 0	21.96	21.76	21.54	21.35	21.40	21.46	21.44	21.50	21.54	21.69	21.84	21.91
42 0	21.95	21.75	21.50	21.37	21.36	21.48	21.46	21.50	21.55	21.70	21.86	21.93
47 0	21.92	21.74	21.45	21.39	21.39	21.50	21.50	21.59	21.55	21.72	21.89	21.96
52 0	21.90	21.70	21.39	21.40	21.40	21.46	21.50	21.56	21.58	21.74	21.91	21.94
57 0	21.88	21.68	21.35	21.41	21.42	21.48	21.50	21.55	21.59	21.75	21.93	21.92
Therm.	84°8	84°7	84°5	84°0	83°1	82°5	82°1	81°4	81°2	81°0	80°5	80°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	49.42	49.50	49.50	49.53	49.40	49.76	49.90	49.90	49.80	49.95	50.02	50.04
8 0	49.44	49.50	49.50	49.52	49.44	49.78	49.90	49.90	49.80	49.96	50.03	50.04
13 0	49.44	49.50	49.52	49.51	49.49	49.80	49.90	49.90	49.80	49.96	50.02	50.05
18 0	49.48	49.50	49.52	49.50	49.55	49.82	49.90	49.90	49.81	49.97	50.02	50.05
23 0	49.48	49.50	49.53	49.48	49.55	49.82	49.90	49.90	49.84	49.97	50.02	50.05
28 0	49.50	49.50	49.53	49.45	49.58	49.84	49.90	49.90	49.88	49.98	50.02	50.05
33 0	49.50	49.50	49.53	49.42	49.62	49.85	49.90	49.90	49.89	49.99	50.02	50.05
38 0	49.50	49.48	49.51	49.41	49.64	49.85	49.90	49.86	49.89	50.00	50.00	50.05
43 0	49.48	49.48	49.51	49.42	49.66	49.85	49.90	49.86	49.90	50.00	50.00	50.04
48 0	49.48	49.50	49.51	49.42	49.70	49.85	49.90	49.86	49.90	50.00	50.00	50.04
53 0	49.50	49.50	49.52	49.40	49.70	49.88	49.90	49.88	49.91	50.00	50.00	50.02
58 0	49.48	49.50	49.53	49.40	49.74	49.90	49.90	49.80	49.92	50.02	50.02	50.02
Therm.	84°5	85°0	85°0	84°8	84°4	83°0	82°6	82°4	82°0	81°9	81°5	81°1

TERM-DAY OBSERVATIONS, ON THE 22ND OF APRIL 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	34'484	34'552	34'621	34'837	36'130	36'747	35'718	34'141	33'112	32'014	31'397	31'740
5 0	34.484	34.552	34.484	34.837	36.199	36.816	35.581	34.141	32.974	32.014	31.397	31.808
10 0	34.484	34.484	34.484	34.837	36.199	36.816	35.581	34.003	32.906	32.014	31.397	31.808
15 0	34.552	34.484	34.552	34.964	36.267	36.816	35.513	33.798	32.837	31.945	31.397	31.877
20 0	34.552	34.484	34.621	35.101	36.336	36.747	35.513	33.455	32.769	31.808	31.465	32.014
25 0	34.552	34.484	34.758	35.170	36.336	36.610	35.238	33.249	32.700	31.945	31.465	32.014
30 0	34.484	34.552	34.837	35.170	36.404	36.610	34.758	33.249	32.700	31.808	31.534	32.083
35 0	34.621	34.552	34.964	35.238	36.473	36.542	34.689	33.249	32.563	31.740	31.602	32.083
40 0	34.621	34.552	35.032	35.375	36.542	36.404	34.621	33.317	32.494	31.534	31.602	32.151
45 0	34.552	34.552	35.101	35.444	36.610	36.267	34.346	33.317	32.426	31.328	31.602	32.220
50 0	34.552	34.552	35.101	35.513	36.610	36.199	34.209	33.317	32.357	31.397	31.671	32.288
55 0	34.552	34.484	34.964	35.718	36.610	35.993	34.209	33.317	32.288	31.534	31.671	32.357

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20·35	20·61	20.49	20·35	20.24	20.35	20.79	21.28	21.42	21.44	21.29	20.98
7 0	20.38	20.58	20.45	20.34	20.25	20·36	20.81	21.29	21.42	21.46	21.25	20.95
12 0	20.42	20.57	20.44	20.32	20.25	20.37	20.84	21·31	21.44	21·48	21.20	20.93
17 0	20.41	20.57	20.42	20.34	20.27	20.40	20.88	21.32	21.45	21·46	21.18	20.90
22 0	20.44	20.59	20.41	20.34	20.29	20.43	20.92	21·34	21.47	21.48	21.18	20.86
27 0	20.47	20.60	20·41	20.33	20.32	20.47	20.98	21·35	21.46	21.48	21.15	20.84
32 0	20.50	20.60	20.40	20.32	20.32	20.50	21.05	21.34	21.44	21.48	21.12	20.84
37 0	20.55	20.61	20.40	20.30	20.32	20.55	21.11	21.37	21.48	21.46	21.09	20·83
42 0	20.58	20.58	20.38	20.31	20.32	20.60	21.18	21.39	21.46	21.44	21·05	20.80
47 0	20·60	20.53	20.35	20.30	20.32	20.65	21.18	21.36	21.44	21.42	21.03	20.77
52 0	29.60	20.51	20.35	20.28	20·33	20.71	21.20	21.36	21.44	21.40	21.00	20.73
57 0	20.60	20.50	20.35	20.26	20.33	20.76	21.22	21.39	21.42	21.38	20.98	20.70
Therm.	86°5	86°5	86°5	86°3	86°3	86°2	86°5	87°5	88°3	88°8	89°8	90°1

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	49.41	49.42	49.48	49.44	49.64	49.65	49.30	48.92	48.75	48.50	48.55	48.60
8 0	49.44	49.42	49·48	49.46	49.64	49.61	49.30	48.90	48.75	48.50	48.54	48·60
13 0	49.44	49.42	49.48	49.50	49.64	49.63	49.30	48.86	48.74	48.50	48.54	48.60
18 0	49.45	49.44	49·48	49·50	49.65	49.55	49.25	48.82	48.72	48.50	48.54	48·61
23 0	49.45	49.44	49.46	49.52	49.66	49·53	49.25	48.78	48.70	48.52	48.53	48·62
28 0	49.42	49.45	49.42	49.52	49·66	49.50	49.22	48.75	48.68	48.54	48.52	48.64
33 0	49.42	49.45	49.40	49.56	49.66	49·46	49.18	48.75	48.60	48·54	48.52	48·65
38 0	49.40	49.45	49.44	49.60	49.66	49.44	49.12	48.75	48.58	48.56	48.54	48.68
43 0	49.40	49.44	49.40	49.60	49.66	49.40	49.06	48.75	48.50	48.56	48.55	48.70
48 0	49.40	49.46	49·38	49.60	49.66	49.38	49.04	48.75	48.50	48.58	48·57	48.71
53 0	49·40	49.48	49.38	49.60	49.66	49.35	49.00	48.75	48.50	48.58	48.58	48.72
58 0	49.42	49.48	49.40	49.62	49·67	49.30	48.96	48.75	48.50	48.55	48.59	48.77
Therm.	87°5	87°4	87°4	87°3	86°9	86°7	87°0	87°2	87°6	88°3	89°0	89°7

TERM-DAY OBSERVATIONS, ON THE 22ND OF APRIL 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32′563	33′455	33′866	34′552	34′141	33′592	33′523	33′798	34′141	34′141	34′278	34.639
5 0	32.631	33.523	34.072	34.552	34.141	33.592	33.455	33.935	34.141	34.278	34.278	34.758
10 0	32.700	33.523	34.141	34.552	34.141	33.592	33.455	33.935	34.209	34.346	34.278	34.621
15 0	32.700	33.592	34.209	34.484	34.072	33.523	33.386	34.003	34.209	34.209	33.935	34.758
20 0	32.769	33.729	34.141	34.484	34.003	33.523	33.386	34.003	34.141	34.072	34.346	34.621
25 0	32.837	33.729	34.278	34.484	33.935	33.523	33.386	34.141	34.141	33.935	34.278	34.552
30 0	32.906	33.729	34.346	34.552	33.935	33.523	33.523	34.209	34.141	34.072	34.346	34.484
35 0	32.974	33.660	34.346	34.484	33.866	33.523	33.592	34.278	34.141	34.278	34.209	34.552
40 0	33.180	33.592	34.415	34.552	33.798	33.523	33.660	34.278	34.141	34.346	34.621	34.621
45 0	33.317	33.592	34.415	34.415	33.798	33.523	33.660	34.209	34.141	34.346	34.621	34.484
50 0	33.317	33.660	34.415	34.278	33.729	33.523	33.660	34.209	34.141	34.415	34.621	34.484
55 0	33.386	33.729	34.415	34.209	33.660	33.523	33.592	34.141	34.072	34.415	34.484	34.552

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.70	20.45	20.25	20.15	20.15	20.12	20.16	20.20	20.11	20.20	20.21	20.31
7 0	20.70	20.43	20.20	20.15	20.12	20.12	20.18	20.18	20.10	20.21	20.22	20.26
12 0	20.66	20.41	20.20	20.15	20.08	20.13	20.20	20.17	20.10	20.21	20.25	20.29
17 0	20.65	20.39	20.22	20.15	20.07	20.13	20.19	20.19	20.12	20.22	20.24	20.25
22 0	20.62	20.36	20.20	20.15	20.07	20.13	20.22	20.20	20.14	20.21	20.27	20.25
27 0	20.60	20.36	20.20	20.14	20.06	20.13	20.22	20.16	20.15	20.21	20.30	20.31
32 0	20.56	20.36	20.18	20.15	20.06	20.13	20.20	20.13	20.15	20.20	20.30	20.26
37 0	20.53	20.33	20.16	20.15	20.06	20.13	20.20	20.10	20.15	20.20	20.32	20.30
42 0	20.51	20.33	20.16	20.15	20.08	20.13	20.21	20.10	20.14	20.21	20.31	20.30
47 0	20.49	20.31	20.16	20.15	20.09	20.14	20.22	20.10	20.14	20.22	20.33	20.29
52 0	20.47	20.30	20.18	20.15	20.10	20.15	20.22	20.10	20.14	20.24	20.33	20.29
57 0	20.47	20.28	20.16	20.16	20.12	20.15	20.21	20.10	20.16	20.24	20.32	20.31
Therm.	90°2	90°3	90°1	89°0	88°0	88°0	87°7	87°5	87°5	87°0	86°7	86°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	48.78	49.05	49.10	49.20	49.20	49.00	49.11	49.20	49.34	49.42	49.50	49.46
8 0	48.80	49.05	49.14	49.20	49.18	49.00	49.14	49.22	49.36	49.50	49.51	49.46
13 0	48.84	49.05	49.14	49.16	49.15	49.00	49.14	49.22	49.36	49.50	49.42	49.50
18 0	48.88	49.05	49.16	49.12	49.14	49.00	49.15	49.22	49.36	49.48	49.42	49.50
23 0	48.90	49.07	49.16	49.10	49.10	49.00	49.15	49.22	49.40	49.50	49.42	49.50
28 0	48.94	49.08	49.18	49.08	49.06	49.00	49.15	49.25	49.40	49.50	49.42	49.46
33 0	48.97	49.08	49.20	49.06	49.03	49.02	49.15	49.28	49.38	49.50	49.42	49.46
38 0	48.99	49.08	49.20	49.02	49.01	49.03	49.15	49.30	49.34	49.50	49.42	49.46
43 0	49.02	49.08	49.20	49.00	49.00	49.03	49.15	49.30	49.32	49.50	49.42	49.48
48 0	49.05	49.08	49.20	49.00	49.00	49.05	49.15	49.30	49.36	49.50	49.42	49.46
53 0	49.05	49.08	49.20	49.00	49.00	49.08	49.15	49.30	49.34	49.50	49.42	49.42
58 0	49.05	49.10	49.18	49.00	49.00	49.10	49.18	49.32	49.40	49.50	49.46	49.44
Therm.	90°2	90°5	90°6	90°0	89°8	89°5	89°1	88°4	87°5	87°4	87°0	87°0

TERM-DAY OBSERVATIONS, ON THE 29TH OF MAY 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	33'523	33'592	33'798	34'003	35'513	35'856	35'650	34'552	33'043	32'083	31.465	31'842
5 0	33.523	33.660	33.660	34.003	35.513	35.856	35.375	34.484	32.974	32.083	31.534	31.842
10 0	33.455	33.660	33.660	34.072	35.581	35.856	35.307	34.415	32.767	32.083	31.602	31.740
15 0	33.455	33.729	33.798	34.141	35.513	35.856	35.307	34.415	32.700	32.014	31.740	31.808
20 0	33.386	33.729	33.729	34.141	35.513	35.718	35.238	34.209	32.700	30.740	31.877	31.808
25 0	33.386	33.729	33.798	34.346	35.513	35.718	35.170	34.141	32.563	30.740	31.945	31.808
30 0	33.317	33.798	33.798	34.464	35.650	35.650	35.101	34.072	32.426	30.602	32.151	31.877
35 0	33.249	33.798	33.798	34.621	35.718	35.718	35.032	34.072	32.426	30.602	32.083	31.945
40 0	33.180	33.798	33.729	34.337	35.856	35.581	34.964	34.072	32.288	30.602	32.083	32.083
45 0	33.180	33.798	33.866	34.964	35.856	35.787	34.895	33.866	32.288	30.602	31.945	32.151
50 0	33.180	33.798	33.866	35.170	35.856	35.581	34.827	33.660	32.288	30.534	31.877	32.151
55 0	33.249	33.798	33.935	35.375	35.856	35.650	34.689	33.592	32.220	30.534	31.808	32.220

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.55	20.64	20.76	20.71	20.81	21.00	21.26	21.29	21.39	21.36	21.19	20.96
7 0	20.55	20.65	20.70	20.70	20.84	21.05	21.26	21.30	21.43	21.30	21.15	20.97
12 0	20.56	20.68	20.68	20.73	20.85	21.08	21.28	21.30	21.41	21.30	21.14	20.94
17 0	20.56	20.70	20.72	20.72	20.86	21.07	21.28	21.30	21.40	21.30	21.07	20.92
22 0	20.56	20.74	20.75	20.75	20.88	21.10	21.28	21.32	21.40	21.28	21.05	20.92
27 0	20.56	20.75	20.72	20.74	20.85	21.11	21.29	21.33	21.45	21.29	21.05	20.90
32 0	20.57	20.74	20.70	20.74	20.84	21.16	21.30	21.34	21.43	21.30	21.04	20.90
37 0	20.58	20.74	20.70	20.75	20.87	21.23	21.30	21.34	21.43	21.30	21.00	20.87
42 0	20.59	20.73	20.71	20.78	20.91	21.31	21.30	21.35	21.44	21.28	21.02	20.86
47 0	20.60	20.72	20.73	20.80	20.90	21.32	21.30	21.36	21.42	21.26	21.00	20.84
52 0	20.61	20.72	20.72	20.80	20.90	21.33	21.28	21.38	21.40	21.25	21.00	20.82
57 0	20.62	20.74	20.71	20.84	20.92	21.34	21.27	21.39	21.39	21.21	20.97	20.80
Therm.	87°1	87°0	86°9	86°7	86°6	87°3	87°5	88°4	89°1	89°9	90°3	90°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	48.50	48.47	48.56	48.68	48.86	48.70	48.49	48.25	48.00	47.78	47.80	47.80
8 0	48.50	48.49	48.64	48.70	48.85	48.65	48.47	48.22	47.95	47.80	47.80	47.80
13 0	48.50	48.51	48.66	48.72	48.83	48.60	48.46	48.21	47.90	47.80	47.80	47.80
18 0	48.50	48.53	48.68	48.72	48.83	48.57	48.46	48.19	47.88	47.80	47.90	47.75
23 0	48.50	48.54	48.70	48.75	48.81	48.56	48.45	48.18	47.88	47.80	47.90	47.75
28 0	48.50	42.55	48.68	48.75	48.82	48.55	48.43	48.16	47.85	47.80	47.85	47.78
33 0	48.48	48.55	48.66	48.75	48.81	48.54	48.42	48.13	47.85	47.80	47.83	47.78
38 0	48.48	48.55	48.66	48.75	48.81	48.52	48.42	48.10	47.85	47.80	47.85	47.80
43 0	48.48	48.56	48.65	48.76	48.81	48.50	48.37	48.07	47.85	47.80	47.82	47.80
48 0	48.47	28.56	48.65	48.78	48.80	48.48	48.35	48.03	47.85	47.80	47.80	47 80
53 0	48.47	28.56	48.62	48.80	48.79	48.48	48.34	48.02	47.82	47.78	47.75	47.80
58 0	48.47	28.56	48.65	48.93	48.75	48.48	48.27	48.00	47.80	47.80	47.80	47.80
Therm.	88°0	88°0	87°9	87°7	87°5	88°0	88°1	88°6	89°1	89°4	90°0	90°3

TERM-DAY OBSERVATIONS, ON THE 29TH OF MAY 1863.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32'288	32'426	32'700	32'769	32'837	32'837	32'083	31'945	32'563	32'837	33'317	33'557
5 0	32·288	32.426	32.769	32.769	32·700	32.769	32.083	31.945	32.426	32.837	33.386	33 660
10 0	32·288	32·357	32.631	32.700	32.769	32.494	32.014	32.014	32.426	32.906	33.455	33.729
15 0	32.357	32.357	32.631	32.700	32.700	32·288	32.014	32.083	32.426	32.906	33.455	33.729
20 0	32.357	32.288	32.700	32.700	32·631	32.151	32.014	32.083	32·426	32.837	33.489	33.935
25 0	32.426	32.288	32.563	32.700	32.494	32.220	31.945	32.151	32.494	32.837	33.455	33.798
30 0	32.426	32.288	32 563	32.769	32·426	32.288	31.945	32.220	32.494	32.837	33.729	33.798
35 0	32.426	32·357	32.563	32.837	32.426	32.288	31.945	32.288	32.494	32.706	33.592	33.729
40 0	32.494	32.426	32.563	32.837	32.494	32.151	31.877	32.357	32.494	32.906	33·694	33.798
45 0	32.494	32.426	32.769	32.974	32.494	32.220	31.877	32.426	32.494	32.837	33.729	33.729
50 0	32.494	32.494	32.769	32.837	32.426	32.220	31·877	32.494	32.631	32.974	33.523	33.592
55 0	32.494	32.563	32.769	32.769	32.563	32.151	31·877	32.494	32.700	33.180	33.592	33.455

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.77	20.47	20 24	20.18	20.26	20.16	20.28	20.37	20.27	20.55	20.54	20.51
7 0	20.75	20.47	20.20	20.20	20.20	20.19	20.29	20.38	20·30	20.60	20.50	20.46
12 0	20.73	20.46	20.20	20.19	20.16	20.17	20.31	20.38	20.33	20.68	20.44	20.50
17 0	20.72	20.45	20·16	20.19	20.14	20.17	20.31	20.38	20.34	20.66	20.51	20.50
22 0	20.70	20.44	20.15	20.19	20.15	20.19	20.31	20.39	20.35	20.67	20.55	20.53
27 0	20.67	20.42	20.18	20.22	20.17	20.19	20.31	20.39	20.33	20.69	20.46	20.54
32 0	20.64	20.41	20.18	20.21	20.17	20.22	20.31	20.39	20.31	20.66	20.43	20.55
37 0	20.59	20.39	20.19	20.20	20.15	20.22	20.34	20.39	20.34	20.65	20.51	20.52
42 0	20.57	20.38	20.16	20.25	20.17	20.25	20.36	20.40	20.34	20.62	20.51	20.51
47 0	20.53	20.37	20.15	20.24	20.16	20.25	20.36	20.40	20.36	20.60	20.54	20.51
52 0	20.51	20.35	20.15	20.24	20.21	20.25	20.37	20.37	20.42	20.56	20.55	20.60
57 0	20.50	20.31	20.16	20.25	20.17	20.24	20.37	20.34	20.48	20·53	20.51	20.54
Therm.	91°0	91°1	90°7	90°5	89°2	88°9	88°5	88°3	88°1	88°0	87°9	87°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	47.80	47.84	47.86	48.00	48.08	48.21	48.26	48.28	48.24	48.28	48.34	48.37
8 0	47.81	47.84	47.90	48.00	48.05	48.17	48.26	48.29	48.22	48.28	48.40	48.35
13 0	47.82	47.84	47.95	48.00	48.05	48.15	48.26	48.29	48.22	38.28	48.35	48.35
18 0	47.83	47.83	47.98	48.02	48.07	48.15	48.27	48.29	48.22	48·30	48.33	48.38
23 0	47.83	47.82	47·98	48.02	48.10	48.17	48.27	48.30	48.22	48·30	48·37	48.40
28 0	47.83	47.82	48 00	48.04	48.11	48.17	48.27	48.30	48.23	48.30	48.37	48.40
33 0	47.84	47.82	48.02	48.06	48.08	48.18	48.27	48.30	48.23	48 30	48.33	48.38
38 0	47.84	47.83	48.02	48.08	48.10	48.20	48.27	48.28	48.24	48.30	48.35	48.40
43 0	47.84	47.83	48.04	48.10	48.12	48.22	48.27	48.27	48.24	48.30	48.37	48.40
48 0	47.84	47.83	48.02	48.11	48.15	48.25	48.27	48.25	48.26	48.30	48.35	48.40
53 0	47.84	47.85	48.02	48.10	48.15	48.27	48.28	48.24	48.25	48.34	48.33	48.36
58 0	47.84	47.86	48.00	48.11	48·20	48.25	48.28	48.24	48.26	48.36	48.37	48.35
Therm.	90°8	91°5	91°4	91°4	90°8	90°2	89°8	89°5	89°3	88°9	88°6	88°5

TERM-DAY OBSERVATIONS, ON THE 24TH OF JUNE 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	34'003	34'209	33'935	34'209	35'032	35'444	35'581	34'415	32'494	30'985	30'025	30'505
5 0	34.415	34.346	33.866	34.278	35.170	35.444	35.856	34.278	32.151	30.985	30.025	30.642
10 0	34.415	34.278	33.798	34.278	35.170	35.513	35.787	34.141	32.083	30.848	29.956	30.642
15 0	34.484	34.209	33.798	34.346	35.238	35.581	35.787	34.072	32.014	30.779	29.956	30.642
20 0	34.484	34.209	33.935	34.415	35.376	35.581	35.650	33.935	31.877	30.711	29.956	30.642
25 0	34.415	34.278	33.935	34.415	35.513	35.650	35.581	33.798	31.808	30.573	29.956	30.711
30 0	34.415	34.209	34.003	34.484	35.650	35.650	35.513	33.660	31.740	30.436	30.025	30.711
35 0	34.415	34.209	34.003	34.484	35.787	35.650	35.307	33.523	31.671	30.368	30.096	30.711
40 0	34.415	34.141	34.003	34.552	35.718	35.718	35.170	33.386	31.602	30.368	30.096	30.711
45 0	34.415	34.072	34.072	34.621	35.650	35.718	35.032	33.249	31.602	30.299	30.230	30.985
50 0	34.415	34.072	34.072	34.689	35.444	35.718	34.895	33.043	31.465	30 299	30.230	31.054
55 0	34 278	34.072	34.141	34.827	35.307	35.718	34.621	32·837	31.465	30 299	30.230	31.122

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.81	20.85	20.89	20.87	21.06	21.05	21·14	21.22	21.44	21.71	21.12	21.12
7 0	20.88	20.85	20.90	20.88	21.08	21.06	21.18	21.24	21.48	21.70	21.06	21.11
12 0	20.86	20.84	20.91	20.88	21.10	21.07	21.18	21.22	21.51	21.63	21.05	21.06
17 0	20.84	20.85	20.92	20.89	21.09	21.06	21.16	21.24	21.55	21.59	21.07	21.02
22 0	20.82	20.85	20.91	20.91	21.12	21·08	21.16	21.24	21.58	21.55	21.06	21.01
27 0	20.82	20.85	20.90	20.92	21.11	21.10	21.16	21.26	21.59	21.49	21.09	21.00
32 0	20.84	20.88	20.88	20.94	21.13	21.09	21.16	21.30	21.63	21.44	21.14	21.03
37 0	20.90	20.86	20.87	20.95	21.14	21.07	21·14	21.30	21.68	21.42	21.15	21.01
42 0	20.90	20.86	20.87	20.98	21.11	21.09	21.16	21.32	21.71	21·35	21.13	20.97
47 0	20.92	20.86	20.87	20.99	21.08	21.11	21.18	21.36	21.75	21.28	21.10	20.96
52 0	20.94	20.85	20.87	21.01	21.05	21.10	21.20	21.40	21.75	21.19	21.12	20.95
57 0	20.90	20.86	20.87	21.03	21.05	21.11	21.22	21.42	21.75	21.14	21.12	20.92
Therm.	82°7	82°7	82°3	82°3	82°1	82°5	83°0	83°3	83°4	84°1	84°5	84°3

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	50.28	50.50	50 50	50.53	50.50	50.55	50.05	49.84	49 50	49.44	49.59	49.74
8 0	50.30	50.50	50.50	50.52	50.54	50.55	50.08	49.80	49.48	49.44	49.58	49.76
13 0	50.30	50.50	50.50	50.52	50.56	50.54	50·06	49.74	49.47	49.43	49.58	49.76
18 0	50.34	50.50	50.51	50.52	50.58	50.51	50.06	49.70	49.46	49.43	49.58	49.78
23 0	50.37	50.50	50·51	50.52	50.58	50.48	50.05	49.63	49.45	49.43	49.58	49·78
28 0	50.40	50·50	50.51	50.52	50.58	50.44	50.05	49.60	49.45	49.43	49.58	49.78
33 0	50.42	50.48	50.51	50.51	50.58	50·42	50.02	49.56	49.44	49.42	49.60	49.78
38 0	50.42	50·46	50.52	50.51	50.58	50·42	50.00	49.54	49.44	49.42	49.62	49.78
43 0	50.42	50.48	50.52	50.51	50.56	50.42	49.96	49.50	49·44	49.48	49.62	49.78
48 0	50·44	50.48	50.53	50·51	50.55	50.35	49.90	49.50	49.44	49.49	49·64	49.76
53 0	50.44	50.46	50.53	50.51	50.55	50.28	49.86	49.50	49.44	49.52	49.65	49.75
58 0	50.48	50.48	50.53	50.50	50.55	50.20	49.84	49.50	49.44	49.57	49.70	49.77
Therm.	83°3	83°3	83°0	83°0	82°9	83°0	83°2	83°3	83°4	84°2	84°6	84°3

TERM-DAY OBSERVATIONS, ON THE 24TH OF JUNE 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	31'328	31'877	33'043	33'386	33'249	33'455	33'112	33'523	33'523	33'455	33'660	33'798
5 0	31.397	32.014	33.112	33.386	33.249	33.592	33.112	33.386	33.523	33.455	33.798	33.798
10 0	31·465	32·220	33.180	33.386	33.249	33.660	33.043	33·523	33.523	33.455	33.798	33.866
15 0	31·397	32·357	33.180	33.386	33.112	33.798	33.112	33.523	33.592	33.386	33.866	33.866
20 0	31.534	32.494	33.249	33.317	33.112	33.798	33.112	33.592	33.660	33.386	33 866	33·866
25 0	31·602	32·631	33.317	33.249	33.112	33.592	33.249	33.523	33.729	33.386	33.866	33.935
30 0	31·671	32.700	33.386	33.180	33.180	33.249	33.386	33.523	33 729	33.386	33.798	33 935
35 0	31.808	32·769	33.386	33.180	33.180	33.180	33.455	33.455	33.729	33.523	33.798	33.866
40 0	31·945	32.906	33·386	33.112	33.180	33.180	33.523	33.455	33.592	33.523	33.798	33.866
45 0	32·014	32.974	33.386	33.112	33.112	33.249	33.592	33.523	33.523	33.592	33.935	33.866
50 0	31 945	33 043	33.386	33.043	33·249	33.249	33.592	33.455	33 523	33.992	33.935	33.866
55 0	31·877	33.043	33.386	33·043	33·317	33.249	33.729	33.523	33.455	33.592	33.866	33.935

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.86	20.60	20.55	20.55	20.56	20.51	20.47	20.48	20.55	20·71	20.85	20.83
7 0	20.85	20.58	20.55	20.55	20.52	20.49	20.50	20.50	20.56	20.71	20.82	20.81
12 0	20.85	20.56	20.56	20·56	20.53	20.48	20.48	20.48	20.57	20.71	20.86	20.81
17 0	20.80	20.52	20.56	20.56	20.53	20.46	20.48	20.48	20.60	20.72	20.83	20.84
22 0	20.78	20.50	20.55	20.56	20.56	20.47	20.46	20.50	20.61	20.72	20.81	20.82
27 0	20.70	20.50	20.53	20.56	20.59	20.42	20.46	20.48	20.62	20.72	20.80	20.80
32 0	20.66	20.52	20·53	20.57	20.58	20.43	20.46	20.48	20.64	20.72	20.80	20.79
37 0	20.68	20.50	20·53	20.57	20.60	20.44	20.48	20.50	20.65	20.77	20.83	20.78
42 0	20.70	20.52	20.53	20.58	20.57	20.42	20.46	20.50	20.67	20.79	20.82	20.80
47 0	20.70	20.52	20.53	20.59	20 54	20.45	20.46	20.50	20.68	20.84	20.85	20.80
52 0	20.68	20.50	20.54	20.59	20.55	20.45	20.48	20.50	20.68	20.87	20.83	20.81
57 0	20.66	20.52	20.55	20.59	20.53	20·44	20.50	20.52	20.69	20.87	20.82	20.82
Therm.	84°9	85°3	85°3	85°3	84°4	84°1	83°7	83°6	83°5	83°3	82°7	82°7

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	49.76	49.90	49.92	49.86	49.84	49.95	49.95	50·00	50.02	50.09	50.17	50.20
8 0	49 76	49.90	49.91	49.86	49.85	49.98	49.96	50.00	50.05	50.09	50.18	50.20
13 0	49.75	49.90	49.90	49.86	49.85	50.00	49.96	50.00	50.06	50.09	50.20	50·22
18 0	49.76	49.88	49.88	49.86	49.85	50.00	49.98	50.00	50.07	50.09	50.18	50·22
23 0	49.78	49.86	49.87	49.85	49.85	50.00	49.98	50.00	50.07	50·10	50.15	50.24
28 0	49.80	49.88	49.87	49.85	49.85	49.98	50.08	50.00	50.07	50.10	50.15	50·24
33 0	49.80	49.84	49.87	49.84	49.85	49.95	50.00	50.00	50.07	50.10	50.15	50.25
38 0	49.84	49.84	49.87	49.83	49.85	49.92	50.00	50.00	50.07	50.11	50.16	50.25
43 0	49.86	49.86	49.87	49.83	49.86	49.92	50.00	50.00	50.07	50.11	50.16	50·25
48 0	49.86	49.88	49.86	49.83	49.86	49.94	50.00	50.00	50.07	50.11	50.18	50·26
53 0	49.86	49.88	49.86	49.83	49.88	49.95	50.00	50.00	50.08	50.11	50.18	50.26
58 0	49.90	49.90	49.86	49.83	49.92	49.94	50.00	50.00	50.09	50.17	50.20	50.26
Therm.	84°9	85°2	85°5	85°7	85°5	84°9	84°5	84°4	84°0	84°0	83°1	83°2

TERM-DAY OBSERVATIONS, ON THE 22ND OF JULY 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	34'141	34'484	34'141	34'141	36'130	36'473	36'542	35'718	33'729	32'426	32'014	32'563
5 0	34.484	34.484	34.141	34·278	36.199	36.473	36.036	35.513	33.866	32.288	32.083	32.563
10 0	34 415	34.552	34.141	34.346	36.267	36.542	36.130	35.307	33.935	32.220	32.151	32.563
15 0	34.346	34·621	34.209	34·484	36.267	36.542	36.130	35.170	34.072	32.151	32.288	32.426
20 0	34.346	34.621	34.141	34.552	36·267	36.473	36.130	34·895	34.141	32.083	32.357	32.357
25 0	34.278	34.552	34.072	34.621	36.267	36.473	36.130	34.552	33.935	32.083	32.357	32.288
30 0	34.278	34.552	34.141	34.758	36.130	36.542	36.061	34.484	33.729	32.014	32 357	32.220
35 0	34.346	34.621	34.209	34.895	36.130	36.610	36.061	34·346	33.523	32·083	32.357	32.151
40 0	34.346	34.346	34.072	34.964	36.199	36.610	36.061	34.346	33.249	32·151	32.357	32.083
45 0	34.278	34.278	34.141	35.170	36.199	36.610	35.993	34.141	33.043	32 151	32.357	32.083
50 0	34.346	34.278	34.209	35.307	36.267	36.610	35.856	33.935	32.857	32.288	32.357	32.083
55 0	34 415	34.278	34 141	35.444	36.404	36.610	35.856	33.935	32.563	32.220	32·426	32.083

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.94	21.00	21.08	21.15	21.05	21.24	21.48	21.65	21.61	21.88	21.80	21.55
7 0	20.95	21.01	21.06	21.16	21.05	21.25	21.55	21.68	21.61	21.90	21.78	21.54
12 0	20.95	21.04	21.06	21.14	21.06	21.26	21.60	21.70	21.60	21.92	21.77	21.51
17 0	20.96	21.03	21.06	21.12	21.06	21.28	21.62	21.70	21.68	21.94	21.75	21.48
22 0	20.96	21.03	21.08	21.10	21.06	21.29	21·62	21.66	21.66	21.94	21.74	21·44
27 0	20.94	21.06	21.10	21.10	21.06	21.31	21.63	21.64	21.68	21.92	21.72	21.41
32 0	20.97	21.04	21.12	21.08	21.07	21.34	21.63	21·61	21.70	21.90	21.69	21.38
37 0	20.99	21.05	21.10	21.06	21.08	21 35	21.65	21.60	21·72	21.90	21.67	21.37
42 0	20.95	21.0	21.10	21.05	21.09	21.37	21.64	21.62	21.74	21.88	21.66	21.36
47 0	20.96	21.04	21.10	21.05	21.13	21.37	21.62	21.61	21.75	21.84	21.63	21.36
52 0	20.98	21.05	21.12	21.05	21.16	21.38	21.60	21.61	21.78	21.80	21.61	21.36
57 0	20.99	21.10	21.14	21·10	21.17	21.42	21.61	21.60	21.82	21.85	21.60	21.35
Therm.	80°6	80°2	80°2	80°2	80°7	80°0	80°8	81°0	81°5	81°4	81°8	82°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	42.27	42.20	42.23	42.36	42.50	42.42	42.31	42 05	41.72	41.88	42.00	42.02
8 0	42.26	42.20	42.24	42.36	42.50	42.42	42.25	42.03	41.70	41.88	42.00	42.02
13 0	42.25	42.20	42.26	42.38	42.52	42.41	42.20	42.02	41.70	41.90	42.00	42.01
18 0	42.25	42.20	42.24	42.38	42.52	42.41	42.15	42.02	41.70	41·92	42.01	42.01
23 0	42.25	42.18	42.26	42.37	42.52	42.41	42.15	41.98	41.68	41.92	42.02	42.01
28 0	42.25	42.20	42.28	42.40	42.50	42.40	42.15	41.95	41.66	41.92	42.02	42.00
33 0	42.22	42.22	42.28	42.46	42.49	42.40	42.14	41.92	41.70	41.92	42.02	41.98
38 0	42.22	42.25	42.30	42.48	42.47	42.39	42.14	41.88	41.72	41.92	42.02	41.97
43 0	42.20	42.26	42.30	42.50	42.45	42.37	42.14	41.86	41.74	41.94	42.02	41.97
48 0	42.20	42 28	42.30	42.50	42.44	42 36	42.12	41.84	41.76	42.00	42.02	41.96
53 0	42 20	42.28	42.22	42.50	42.42	42.36	42.10	41.80	41.82	42.00	42.02	41.96
58 0	42.20	42.25	42.34	42.50	42.42	42.33	42.08	41.76	41·84	42.00	42.02	41.94
Therm.	81°3	81°1	80°8	80°5	80°8	80°6	81°2	81°2	81°6	81°6	82°0	82°5

TERM-DAY OBSERVATIONS, ON THE 22ND OF JULY 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. s.												
0 0	32'083	32'494	33'729	34'141	34'484	34'141	34'346	33'455	33'523	33'798	34'141	33'866
5 0	32.151	32.700	33.935	34.141	34.484	34 141	34.346	33.386	33.455	33.798	34.141	33.866
10 0	32·288	32.700	34.072	34.209	34.415	34.278	34.072	33.386	33.455	33.866	34.141	33.866
15 0	32·151	32.769	34.209	34.141	34.346	34.415	34.072	33.317	33.592	33.866	34.141	33.866
20 0	32.151	32.974	34.415	34.278	34.278	34.484	33.935	33.386	33.729	33.866	34.209	34.003
25 0	32.288	33.112	34.484	34.415	34.141	34.552	33.935	33·455	33.798	33·935	34.278	34·072
30 0	32.151	33.317	34.484	34.415	34·072	34.689	33·798	33.455	33.798	34·072	34.278	34.141
35 0	32.151	33.592	34.552	34.141	34.072	34.689	33.798	33.455	33.866	34·072	34·278	34.141
40 0	32.288	33.592	34.621	34.141	34.072	34.621	33.729	33.455	33.866	34.072	34.141	34.141
45 0	32.288	33.592	34.552	34.072	34.141	34.484	33.660	33.455	33.798	34.072	34·072	34.141
50 0	32.288	33.523	34.484	34.072	34.141	34.346	33.660	33 455	33·798	34.141	34.003	34.141
55 0	32.288	33.523	34.346	34.278	34.141	34.346	33.660	33.523	33.798	34.141	34.003	34.141

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. s.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.33	21.07	21.05	21.10	21.00	20.88	21.13	21.08	21.10	21.15	21.25	21.65
7 0	21.26	21.06	21.02	21.10	21.05	20.85	21.14	21.06	21.10	21·18	21.26	21.65
12 0	21·22	21.06	21.00	21.10	21.05	20.83	21.15	21.05	21.10	21.18	21.26	21.64
17 0	21.21	21.05	21.00	21.12	21.04	20.81	21·15	21.07	21.10	21.20	21.27	21.62
22 0	21.21	21.02	21.00	21.16	21·04	20.84	21·16	21.09	21.10	21.20	21.31	21.59
27 0	21.22	21.01	21.04	21.18	21.04	20.89	21.18	21.10	21.12	21.18	21.36	21.58
32 0	21·21	21.03	21.08	21.14	21.02	20.96	21.15	21.10	21.10	21.18	21.42	21.52
37 0	21.18	21.05	21·10	21.12	21.01	20.98	21.16	21.12	21.08	21.16	21.45	21.50
42 0	21.15	21.05	21.10	21.10	21.01	20.99	21.17	21.14	21.05	21.13	21.51	21.49
47 0	21.14	21.03	21.10	21.08	21.00	21.00	21.13	21.16	21.06	21·10	21.54	21.45
52 0	21.10	21.07	21.10	21.06	20.98	21.01	21 12	21·18	21.08	21.18	21.56	21.43
57 0	21.08	21.11	21.10	21.05	20.97	21.02	21.10	21.15	21.12	21.22	21.61	21.43
Therm.	82°6	81°6	80°3	79°8	79°5	79°4	79°4	80°0	80°1	79°7	78°8	78°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. s.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	41.93	41·90	42.05	42.00	42.00	41.98	42.01	42.25	42.28	42.34	42·50	42.52
8 0	41.90	41.90	42.06	42.00	42.00	41·98	42.02	42.25	42.28	42.40	42.50	42.52
13 0	41.88	41.92	42.06	42.00	41·99	41.99	42.10	42.25	42.28	42.40	42.50	42.52
18 0	41.86	41.95	42.08	42.00	41.98	41.99	42.14	42.25	42.30	42 42	42.50	42.52
23 0	41.85	41.95	42.08	42.00	41.96	41.99	42.16	42.25	42.30	42.42	42.50	42.52
28 0	41.85	41.98	42.06	42.02	41.95	41.99	42.18	42.25	42.30	42.44	42.50	42.53
33 0	41.85	42.00	42.04	42.04	41.95	41.99	42.20	42.24	42.30	42.44	42.50	42.53
38 0	41.86	42.04	42.02	42.06	41.96	41.99	42.22	42.24	42.30	42.48	42.50	42.53
43 0	41.85	42.05	42.00	42.08	41.96	41.99	42.22	42.25	42.28	42.50	42.51	42.53
48 0	41.85	42·05	42.00	42.10	41.97	42.00	42.24	42.26	42.24	42.50	42·51	42.53
53 0	41.85	42·05	42.00	42·10	41.98	42.00	42.24	42.26	42.24	42.50	42.51	42.53
58 0	41.88	42.05	42·00	42.00	41.98	42.01	42·25	42.28	42·28	42.50	42.52	42.54
Therm.	82°6	82°2	81°1	81°0	80°9	80°4	80°4	80°5	80°5	80°1	79°5	79°5

TERM-DAY OBSERVATIONS, ON THE 28TH OF AUGUST 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	35'307	35'444	35'101	35'238	35'787	37'228	36'679	35'856	34'003	31'671	31'259	31'397
5 0	35.307	35.375	34.837	35.101	35.924	37.228	36.679	35.856	33.935	31.671	31.465	31.602
10 0	35.375	35.307	34.621	35.101	36.130	37.159	36.610	35.787	33.660	31.671	31.602	31.808
15 0	35.375	35.307	34.621	35.101	36.336	37.228	36.542	35.513	33.386	31.465	31.671	32.014
20 0	35.444	35.307	34.689	34.904	36.473	37.022	36.473	35.375	33.180	31.465	31.740	32.288
25 0	35.444	35.238	34.689	34.904	36.542	37.022	36.404	35.307	33.043	31.465	31.740	32.220
30 0	35.444	35.238	34.837	35.101	36.679	36.816	36.336	35.238	32.837	31.191	31.671	32.357
35 0	35.444	35.170	35.032	35.101	36.816	36.816	36.199	35.170	32.494	31.054	31.671	32.426
40 0	35.444	35.170	35.170	35.170	37.022	36.816	36.130	35.032	32.151	31.054	31.740	32.494
45 0	35.444	35.238	35.307	35.375	37.090	36.747	36.130	34.895	31.740	31.054	31.740	32.700
50 0	35.444	35.307	35.238	35.513	37.090	36.747	36.061	34.621	31.671	31.328	31.671	32.426
55 0	35.444	35.238	35.238	35.513	37.159	36.679	35.993	34.484	31.602	31.397	31.534	32.426

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21·16	21·25	21.03	21·05	21.01	20.85	21.30	21.19	21.42	21.48	20.84	20.80
7 0	21.16	21.24	20.98	21.06	21.00	20·85	21.30	21.19	21.40	21.49	20.80	20.76
12 0	21.15	21.24	20.95	21.06	20.94	20.88	21.30	21·19	21.44	21·46	20.78	20.74
17 0	21.15	21.23	20.96	21.05	20.90	20.90	21.28	21.21	21.45	21·45	20.76	20.76
22 0	21.15	21.23	20.98	21.03	20.90	20.90	21.25	21·22	21.45	21.40	20.72	20.72
27 0	21.16	21.19	20·98	21.02	20.90	20.96	21.21	21·23	21.48	21.32	20.74	20.68
32 0	21.18	21.16	21.00	21.04	20.88	20.96	21.19	21.26	21.48	21.22	20.76	20.60
37 0	21.19	21.12	21.02	21.05	20.86	21.00	21.19	21.28	21.49	21.12	20.78	20·56
42 0	21.22	21.10	21.04	21.06	20.82	21.08	21.19	21.33	21.50	21.00	20·78	20.52
47 0	21·23	21.09	21.06	21.03	20.82	21.14	21.19	21.35	21.50	20.90	20.78	20.50
52 0	21.24	21.06	21.07	21.04	20·84	21.20	21.18	21.39	21.54	20.82	20.78	20.54
57 0	21.25	21.03	21.06	21.05	20.84	21.26	21.18	21.40	21.52	20.80	20.80	20.48
Therm.	80°4	80°3	80°2	80°3	80°5	80°4	80°4	81°5	82°7	82°9	83°4	83°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	32.80	32.75	32.72	32.74	32.75	32.70	32.70	32.68	32.44	32.25	32.06	32.08
8 0	32.80	32.74	32·72	32.75	32.78	32.70	32.70	32.66	32.40	32.25	32.08	32·08
13 0	32.80	32.74	32.72	32.75	32.78	32.72	32.70	32.65	32.35	32.23	32.08	32.10
18 0	32.80	32.74	32·70	32·75	32.78	32.70	32.70	32.64	32.32	32.22	32.10	32·10
23 0	32.80	32.74	32.70	32.73	32.80	32·72	32.70	32.63	32.30	32.22	32.10	32·12
28 0	32.80	32.73	32.70	32.74	32·80	32.70	32.70	32.63	32.26	32.20	32.10	32.10
33 0	32.78	32.72	32.72	32.74	32.80	32·70	32.70	32.62	32.28	32·20	32.10	32·08
38 0	32.77	32.72	32.74	32.74	32.80	32.70	32.70	32.61	32.30	32.22	32.12	32.06
43 0	32.76	32.72	32·75	32.74	32·80	32.72	32.70	32·59	32.30	32.15	32.10	32.06
48 0	32.76	32.72	32·75	32.75	32.76	32.72	32.70	32.55	32.28	32.10	32·07	32.06
53 0	32·75	32.72	32.74	32.75	32.74	32.74	32.70	32.54	32.26	32.10	32.07	32.04
58 0	32.75	32.72	32.74	32.76	32·70	32.72	32.69	32.49	32.25	32.06	32.08	32.00
Therm.	80°9	80°9	80°9	80°7	80°7	80°5	80°5	81°2	82°1	82°4	82°6	83°0

TERM-DAY OBSERVATIONS, ON THE 28TH OF AUGUST 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	32'426	33'935	35'238	35'032	35'032	34'689	34'837	34'415	34'484	34'484	34'895	34.758
5 0	32.426	34.072	35.170	35.032	35.307	34.621	34.895	34.346	34.484	34.484	34.895	34.689
10 0	32.426	34.141	34.837	35.201	35.513	34.484	34.837	34.346	34.484	34.484	34.837	34.689
15 0	32.426	34.278	34.837	35.032	35.650	34.552	34.758	34.278	34.484	34.484	33.837	34.621
20 0	32.494	34.346	34.621	34.895	35.787	34.758	34.689	34.141	34.415	34.484	34.837	34.689
25 0	32.563	34.484	34.552	34.758	35.856	34.837	34.621	34.141	34.415	33.621	34.758	34.689
30 0	32.700	34.758	34.621	34.621	35.856	35.032	34.621	34.209	34.415	34.689	34.621	34.689
35 0	32.906	34.964	34.621	34.552	35.718	35.170	34.552	34.278	34.484	34.689	34.621	34.552
40 0	33.043	35.101	34.552	34.758	35.581	35.170	34.552	34.346	34.346	34.895	34.484	34.415
45 0	33.386	35.170	34.689	34.758	35.444	34.837	34.484	34.415	34.415	34.964	34.484	34.484
50 0	33.523	35.238	34.827	34.895	35.170	34.689	34.484	34.415	34.415	34.964	34.484	34.484
55 0	33.729	35.238	34.964	34.895	34.837	34.758	34.484	34.415	34.484	34.964	34.621	34.484

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.40	20.07	19.83	19.63	19.38	20.05	20.23	20.33	20.45	20.80	20.71	20.80
7 0	20.40	20.09	19.78	19.58	19.32	20.00	20.27	20.34	20.50	20.82	20.70	20.84
12 0	20.39	20.11	19.82	19.55	19.30	19.98	20.24	20.35	20.60	20.84	20.70	20.88
17 0	20.38	20.11	19.84	19.50	19.38	20.00	20.22	20.35	20.66	20.85	20.70	20.86
22 0	20.38	20.07	19.83	19.50	19.42	19.96	20.22	20.35	20.65	20.86	20.71	20.85
27 0	20.37	20.04	19.81	19.50	19.58	19.92	20.22	20.35	20.65	20.82	20.76	20.85
32 0	20.31	19.98	19.82	19.50	19.60	19.90	20.23	20.34	20.68	20.80	20.86	20.84
37 0	20.23	19.91	19.75	19.50	19.68	19.90	20.25	20.32	20.75	20.80	20.88	20.88
42 0	20.16	19.88	19.70	19.50	19.84	19.90	20.26	20.35	20.73	20.76	20.85	20.94
47 0	20.12	19.85	19.66	19.48	19.92	19.96	20.27	20.39	20.74	20.74	20.92	20.98
52 0	20.09	19.85	19.66	19.45	19.96	20.00	20.29	20.41	20.76	20.72	20.94	21.00
57 0	20.08	19.84	19.69	19.41	20.00	20.18	20.30	20.43	20.78	20.71	20.88	21.00
Therm.	84°0	84°1	83°8	83°3	82°6	82°0	81°7	81°6	81°4	81°2	81°0	80°8

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	32.00	31.86	31.71	31.70	31.78	31.82	32.10	32.00	32.00	32.14	32.20	32.20
8 0	31.99	31.86	31.75	31.72	31.80	31.90	32.10	32.00	32.04	32.15	32.22	32.20
13 0	31.98	31.85	31.75	31.72	31.80	31.92	32.10	32.00	32.06	32.15	32.22	32.20
18 0	31.97	31.85	31.75	31.72	31.80	31.94	32.10	32.00	32.06	32.15	32.22	32.20
23 0	31.95	31.84	31.74	31.74	31.82	31.98	32.10	32.00	32.08	32.16	32.24	32.20
28 0	31.94	31.81	31.72	31.75	31.82	32.00	32.08	32.00	32.08	32.18	32.22	32.20
33 0	31.92	31.80	31.72	31.75	31.80	32.00	32.06	32.00	32.08	32.18	32.22	32.20
38 0	31.91	31.79	31.70	31.76	31.78	32.00	32.04	32.00	32.10	32.20	32.20	32.20
43 0	31.88	31.79	31.70	31.76	31.76	32.02	32.04	32.00	32.10	32.20	32.20	32.20
48 0	31.87	31.76	31.72	31.78	31.72	32.02	32.03	32.00	32.10	32.20	32.20	32.20
53 0	31.87	31.75	31.72	31.78	31.70	32.02	32.02	32.00	32.10	32.20	32.20	32.20
58 0	31.87	31.72	31.70	31.78	31.78	32.08	32.01	32.00	32.12	32.20	32.20	32.20
Therm.	83°7	84°1	84°2	84°2	83°8	83°0	82°5	82°3	82°1	82°0	81°7	81°5

TERM-DAY OBSERVATIONS, ON THE 23RD OF SEPTEMBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	36'610	37'159	36'816	36'404	35'650	36'061	36'199	35'238	34'837	33'729	32.563	32'563
5 0	36.542	37.159	36.816	36.404	35.856	36.061	36.130	35.238	34.837	33.660	32.494	32.631
10 0	36.542	37.090	36.816	36.404	35.924	35.993	35.993	35.307	34.415	33.523	32.426	32.631
15 0	36.610	36.953	36.746	36.473	35.924	35.856	35.856	35.307	34.209	33.455	32.288	32.631
20 0	36.610	37.022	36.746	36.473	36.061	35.856	35.993	35.170	34.141	33.317	32.220	32.700
25 0	36.679	36.816	36.610	36.473	35.993	35.856	35.924	35.238	34.141	33.180	32.220	32.700
30 0	36.747	36.816	36.610	36.473	35.924	35.993	35.856	35.170	34.072	33.112	32.288	32.906
35 0	36.954	36.816	36.542	36.473	35.924	35.993	35.718	35.032	34.003	32.974	32.288	33.974
40 0	37.090	36.816	36.473	36.267	35.924	35.993	35.650	34.964	33.935	32.837	32.357	33.043
45 0	37.159	36.747	36.473	36.130	35.856	35.993	35.581	34.964	33.935	32.769	32.357	33.112
50 0	37.159	36.747	36.473	35.924	36.061	36.061	35.444	34.964	33.866	32.700	32.426	32.974
55 0	37.228	36.747	36.404	35.856	36.267	36.061	35.307	34.837	33.798	32.631	32.494	32.974

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.15	20.30	20.55	20.42	20.25	20.30	20.40	20.80	21.05	21.34	21.29	21·03
7 0	20.28	20·30	20.57	20.42	20.28	20·31	20.40	20.88	21.07	21.35	21·24	21.01
12 0	20.42	20.26	20·59	20.42	20·32	20.34	20.42	20.90	21.14	21.35	21.20	21.01
17 0	20.50	20.28	20.59	20.41	20.33	20.38	20.46	20.98	21.19	21.35	21.14	20.98
22 0	20.56	20.30	20.59	20.40	20.35	20.45	20.47	21.00	21·22	21·35	21.19	20.94
27 0	20.60	20.30	20.54	20.38	20.32	20.50	20·47	21.00	21.24	21.36	21.15	20.92
32 0	20.68	20.30	20 51	20.34	20.30	20.46	20.56	21.00	21.27	21.37	21.15	20·89
37 0	20.54	20.30	20.48	20.32	20 28	20·45	20.60	21.04	21.28	21.38	21.13	20.86
42 0	20.48	20.34	20·48	20.32	20.28	20.48	20.64	21.06	21.31	21.38	21.12	20.84
47 0	20·32	20·38	20·47	20.32	20.30	20.44	20·72	21·05	21.32	21.39	21.10	20.80
52 0	20.34	20.48	20·46	20.29	20.26	20.45	20.78	21.04	21.33	21 37	21.06	20.80
57 0	20.34	20.50	20.45	20.27	20.28	20.42	20.80	21.05	21.34	21.34	21.04	20.75
Therm.	81°6	81°2	81°6	80°9	80°9	81°2	81°3	81°4	81°0	81°1	82°2	82°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	22.88	22.98	22.94	22.91	23.00	23.00	23·00	23.00	23.00	23.01	22·95	23.00
8 0	22.86	22.98	22.93	22.91	23.02	23.00	23.00	23.00	23.00	23.00	22.94	23.00
13 0	22.86	22 96	22.92	22.91	23.04	23·00	23.00	23.00	23.00	23.00	22 94	23.00
18 0	22.86	22.94	22.92	22.92	23.08	23.00	23·02	23.00	23.00	23.00	22.96	23.00
23 0	22·86	22.94	22.92	22.93	23.05	23 00	23.02	23.00	23.01	23 00	22.98	23.00
28 0	22.84	22·96	22.92	22.94	23·04	23.00	23.02	23.00	23.02	23.00	22.98	23.00
33 0	22.86	22.94	22.92	22.95	23·02	23.00	23.06	23.00	23.02	23.00	22.98	23.00
38 0	22.90	22 94	22 92	22 97	23.02	23.00	23.04	23.00	23.02	23.00	22.98	23.00
43 0	22.94	22.94	22.91	22.99	23.00	23.00	23.04	23.00	23.01	23.00	22·98	23.00
48 0	22.93	22 92	22.91	22.99	23 00	23.00	23.03	23.00	23.01	22.98	23.00	23 00
53 0	23.00	22.92	22.91	23 00	23.00	23.00	23·00	23.00	23.01	22.95	23.00	23.02
58 0	23.00	22.94	22.91	23.00	23.00	23.00	23.00	23.00	23.01	22 95	23.00	23.04
Therm.	82°5	82°0	81°6	81°6	81°5	81°9	81°9	82°0	81°5	81°9	82°2	82°6

TERM-DAY OBSERVATIONS, ON THE 23RD OF SEPTEMBER 1863.

LARGE DECLINATION MAGNETOMETER *(in Arc)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	33'249	34'278	34'837	34'689	34'346	34'484	35'513	35'993	35'513	35'032	35'101	35'375
5 0	33·386	34.346	34.895	34.689	34·346	34.484	35.581	35.856	35.513	35.032	35.170	35 513
10 0	33·455	34·415	35.032	34.552	34.346	34.482	35.718	35.856	35.307	35.032	35.238	35.650
15 0	33.455	34.415	35.032	34.552	34.346	34·484	35.787	35.924	35.238	35.032	35.238	35.650
20 0	33.523	34.346	35.032	34.552	34·484	34.484	35.787	35.924	35·238	35.032	35.238	35.718
25 0	33.592	34.346	35.032	34.484	34.484	34.621	35.856	35.993	35.238	35.032	35.170	35.513
30 0	33.729	34.415	35 032	34.484	34·552	34.758	35.856	35.993	35.170	35.032	35.170	35.375
35 0	33.798	34·552	35.032	34.484	34 552	35.032	35.924	35.924	35.170	35.032	35.238	35.307
40 0	33.866	34.689	34.895	34.415	34.484	35.170	35.856	35.856	35.101	35.032	35·238	35.170
45 0	33.935	34.837	34.837	34.415	34.346	35.170	35.787	35.718	35.101	35.032	35.238	34.964
50 0	34.072	35.032	34.689	34.346	34.346	35.307	35·787	35.650	35.101	35.032	35.238	34.689
55 0	34.209	34.895	34.689	34.346	34.346	35.375	35·856	35.581	35.101	35.032	35.238	34.552

LARGE HORIZONTAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.71	20.43	20.15	20.39	20.45	20.50	20.10	19.77	20.10	20.39	20.53	20.55
7 0	20.70	20.38	20.15	20.39	20.42	20.52	20.08	19.78	20·10	20.42	20.54	20.51
12 0	20.68	20.32	20.15	20.40	20.46	20.55	20.06	19.80	20.12	20.44	20.54	20.45
17 0	20.66	20.30	20·16	20.40	20.48	20.58	20.00	19.80	20.14	20.47	20.55	20.44
22 0	20.60	20.28	20.18	20.40	20.45	20.60	19.94	19.80	20.18	20.49	20.53	20.42
27 0	20.58	20.26	20.19	20.41	20.42	20.54	19.90	19.86	20.21	20.50	20.51	20.48
32 0	20.58	20.25	20.22	20.43	20.41	20.52	19.86	19.90	20.23	20.50	20.51	20.56
37 0	20.58	20.25	20.23	20.45	20.43	20.50	19.80	19.96	20.26	20.51	20.50	20.63
42 0	20.60	20.24	20.26	20.45	20.46	20.40	19.75	20.00	20.27	20.53	20.54	20.70
47 0	20.58	20.20	20.30	20.45	20.47	20.30	19.72	20.00	20.31	20.53	20.56	20.76
52 0	20.56	20.16	20.33	20.45	20.46	20.25	19.72	20.06	20.34	20.53	20.58	20.83
57 0	20.50	20.16	20.36	20.45	20.48	20.15	19.70	20.08	20.35	20·53	20.56	20.89
Therm.	83°0	83°5	84°0	83°3	82°6	82°1	82°0	81°7	81°5	81°2	81°0	81°0

VERTICAL FORCE MAGNETOMETER *(in Scale Readings)*.

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	23.02	23.00	22.92	22.85	22.52	22.54	22.60	22.50	22.50	22.50	22.50	22.48
8 0	23.02	23.00	22.92	22.84	22.52	22.54	22.58	22.50	22.50	22.50	22.50	22.48
13 0	23.02	23.02	22.92	22.81	22.52	22.54	22.56	22.50	22.50	22.50	22.50	22 50
18 0	23.02	23.02	22.91	22.75	22.52	22.54	22.52	22.48	22.50	22.51	22.50	22.50
23 0	23.02	23.00	22·89	22.72	22.52	22.54	22.50	22.50	22.50	22·52	22·50	22.50
28 0	23.00	23.00	22.88	22.70	22.52	22.55	22.50	22.50	22.50	22.52	22.50	22.48
33 0	23.00	23.00	22.88	22.68	22.52	22.58	22.52	22.48	22.50	22 51	22.50	22.48
38 0	23.02	23.00	22.88	22.66	22.54	22.58	22.52	22.50	22.50	22.51	22.52	22.46
43 0	23.02	23.00	22.88	22.63	22.54	22·58	22.52	22.50	22.50	22.51	22.50	22.46
48 0	23 00	23.00	22.88	22.62	22.52	22.58	22.52	22.50	22.50	22.51	22.50	22.48
53 0	43.00	23.00	22.88	22.59	22.52	22.60	22.52	22.50	22.50	22.50	22.48	22.48
58 0	23.00	22.98	22.86	22.53	22·54	22.60	22.52	22.50	22.50	22.50	22.48	22.48
Therm.	83°0	83°8	84°4	84°3	84°0	83°4	83°1	83°0	82°8	82°4	82°2	81°9

TERM-DAY OBSERVATIONS, ON THE 21ST OF OCTOBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	34'484	34'689	34'141	34'837	34'278	35'101	35'924	35'856	34'278	33'455	32'700	33'043
5 0	34.689	34.552	34.484	34.758	34.484	35.101	36.061	35.650	33.729	33.249	32·631	33.112
10 0	34.837	34.484	34.552	34.689	34.552	35.101	36.130	35.650	33.729	33.680	22.563	33.180
15 0	34.837	34.484	34.484	34.552	34.621	35.170	36.130	35.650	33.729	33·112	22.563	33.386
20 0	34.758	34.552	34.621	34.689	34.621	35.238	36.130	35·513	33.798	33.043	22.563	33.592
25 0	34.895	34.552	34.621	34·484	34.621	35.307	36.130	35.375	33.660	32·974	22.631	33.729
30 0	34.895	34.689	34.758	34.689	34.758	35·307	36·199	35.170	33.523	32.837	32.700	33.798
35 0	34.837	34.758	34.837	34.758	34.758	35.307	36.130	35.170	33.455	32.769	32.700	34.072
40 0	34.758	34.444	34.758	34.837	34.758	35.307	36.130	35.032	33.455	32.769	32.769	34.278
45 0	34.758	34.346	34.621	34.837	34.837	35.444	36.199	35.032	33.386	32.700	32.769	34.415
50 0	34.689	34.278	34.621	34.837	34.837	35.513	36.061	34.837	33.386	32.700	32.837	34.484
55 0	34 689	34.278	34.758	34.552	34.895	35.650	35.993	34·621	33.455	32.700	32.837	34.484

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.73	20.80	20.85	20.95	20.95	20.84	20·99	21.20	21.32	21.25	21.10	20.69
7 0	20.70	20.82	20.90	20.94	20.93	20.85	20.90	21.20	21.35	21.25	21.09	20.67
12 0	20.72	20.85	20.88	20.90	20.92	20.87	20.95	21.21	21.38	21.25	21.07	20.64
17 0	20.72	20.83	20.86	20.86	20.90	20.87	20.98	21.21	21.38	21.25	21.05	20.62
22 0	20.75	20.83	20.80	20.84	20.87	20.88	21.05	21.22	21.36	21.25	21.04	20.60
27 0	20.78	20.88	20.84	20.85	20.86	20.89	21.15	21.20	21.36	21.24	21.01	20.57
32 0	20.76	20.85	20.80	20.86	20.84	20.90	21.15	21.20	21.36	21.20	20.96	20.49
37 0	20.75	20.85	20.84	20.90	20.83	20.90	21.16	21.20	21.38	21.16	20.92	20.45
42 0	20.72	20.86	20.86	20.92	20.82	20.90	21.15	21.20	21.34	21·15	20.88	20.44
47 0	20.71	20.86	20.90	20.98	20.82	20.93	21.15	21.19	21.30	21.14	20.81	20.44
52 0	20.73	20.84	20.92	21.26	20.82	20.95	21.18	21.22	21.28	21.10	20.77	20.43
57 0	20.76	20.85	20.95	21.00	20.82	20·55	21·18	21.26	21.26	21.10	20.72	20.43
Therm.	82°5	82°4	82°2	82°1	82°0	82°4	83°3	84°5	85°5	86°3	86°5	86°6

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	15.81	15.80	15.85	15.90	16.00	15.88	15.91	15.85	15.78	15.75	15.82	15.77
8 0	15.82	15.80	15.88	15.92	15.98	15.89	15.88	15.82	15.80	15.78	15.81	15.77
13 0	15.82	15.80	15.90	15.96	15.97	15.90	15·84	15.82	15.80	15.78	15.81	15.77
18 0	15.82	15.80	15.92	15.94	15.96	15.90	15.84	15.82	15.80	15.80	15.80	15.76
23 0	15.82	15.80	15·92	15.94	15.92	15.90	15.84	15.82	15.80	15.80	45.80	15·76
28 0	15.82	15·81	15.96	15.96	15.90	15.90	15.85	15.82	15.80	15.80	15.79	15.75
33 0	15.82	15.81	15.94	15.98	15.89	15·90	15.85	15.80	15.80	15.82	15.78	15.75
38 0	16.82	15·81	15.96	16.00	15.89	15·90	15.85	15.80	15.80	15.82	15.77	15.75
43 0	15.80	15.82	15.94	16.00	15.88	15.90	15.85	15.80	15·80	15.80	15.77	15.77
48 0	15·80	15.82	15.96	16·00	15.88	15.90	15.85	15.78	15.80	15.80	15·77	15.78
53 0	15.80	15.84	15.94	16.00	15.88	15.90	15.85	15.76	15.80	15.80	15.77	15.79
58 0	15.80	15.85	15.90	16.00	15.88	15·91	15.85	15.76	15.75	15.82	15.77	15.80
Therm.	83°3	83°0	82°9	83°0	83°0	83°1	83°3	83°7	84°5	85°0	85°5	86°2

TERM-DAY OBSERVATIONS, ON THE 21ST OF OCTOBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	34'689	35'375	34'964	34'415	34'278	34'415	34'552	34'758	34'837	34'758	34'837	34'621
5 0	34.758	35.375	35.170	34.278	34.346	34.415	34.552	34.964	34.837	34.758	34.837	34.621
10 0	34·758	35·307	35.032	34.141	34.415	34.415	34.552	34·837	34.895	34.895	34.758	34.552
15 0	34·689	35·307	35.032	34.278	34.484	34.484	34.552	34.837	34.895	34.964	34.758	34.484
20 0	34.689	35.307	34.895	34.141	34.552	34.484	34.484	34.758	35.032	35.101	34 758	34·484
25 0	34·689	35·238	34.837	34.346	34 552	34.484	34.484	34.758	34.895	35.170	34.758	34.552
30 0	34·621	35.238	34.758	34.346	34.552	34.484	34.552	34.837	34.837	35.101	34.689	34.621
35 0	34.758	35·032	34.621	34.415	34.484	34.552	34.552	34.837	34.758	35.170	34.758	34.689
40 0	34·895	34.964	34·552	34.415	34.484	34 552	34.621	34.895	34.837	35.170	34.758	34.758
45 0	35·032	34.837	34.552	34.484	34.484	34.552	34.621	34.895	34.837	35.101	34.837	34.758
50 0	35 101	34 837	34.552	34.415	34·484	34.552	34.621	34.895	34.895	35.032	34.837	34.758
55 0	35·170	34.837	34.484	34·346	34·415	34.552	34 621	34.837	34.837	34 964	34.837	34.895

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.40	20.38	20.13	20.28	20.17	20.31	20.40	20.38	20.55	20·67	20.77	20.75
7 0	20.40	20.37	20.15	20.24	20.18	20.34	20.41	20.38	20.55	20.66	20.76	20.75
12 0	20.42	20.35	20.20	20·22	20.18	20.35	20.41	20.40	20.56	20.66	20.75	20.76
17 0	20.44	20.30	20.20	20.22	20.19	20.35	20.44	20.42	20.58	20.66	20.75	20.76
22 0	20.45	20.25	20.21	20.18	20.23	20.35	20.42	20.44	20.58	20.68	20.75	20.78
27 0	20.45	20.20	20.20	20.15	20.24	20.35	20.41	20.45	20.62	20.70	20.75	20.75
32 0	20.46	20.14	20·24	20.14	20.25	20.35	20.44	20.45	20.66	20.74	20.75	20.74
37 0	20.48	20.12	20·28	20.15	20.25	20.35	20.46	20.48	20.68	20.76	20.75	20.71
42 0	20.49	20.12	20.34	20.12	20.25	20.35	20.42	20.52	20.72	20.76	20.75	20.69
47 0	20.47	20.14	20.36	20.14	20 26	20.36	20.40	20.53	20.72	20.78	20.75	20.69
52 0	20.43	20.10	20.34	20.16	20.26	20.38	20.40	20.51	20.72	20.80	20.75	20.67
57 0	20.41	20.12	20.30	20.18	20.27	20·38	20.39	20.55	20.70	20.78	20.75	20.66
Therm.	87°0	87°1	86°9	86°3	85°7	85°2	84°9	84°5	84°3	84°3	83°8	83°4

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	15.80	15.75	15.65	15.58	15.60	15.67	15.65	15·68	15.75	15.72	15.78	15.77
8 0	15.78	15.75	15.62	15.58	15.62	15.67	15.65	15.68	15.75	15.70	15.80	15.77
13 0	15.78	15.75	15.60	15.58	15.63	15.66	15.65	15.68	15.75	15.70	15.79	15·77
18 0	15.78	15.75	15.60	15.56	15.63	15.65	15.65	15.70	15.77	15.70	15.78	15·77
23 0	15.78	15.75	15.60	15.54	15.64	15.65	15.65	15.72	15.77	15·70	15.78	15.76
28 0	15.78	15.75	15.60	15.52	15.64	15.64	15.65	15.72	15.77	15.70	15.78	15·76
33 0	15.78	15.72	15.58	15.52	15.64	15.63	15.65	15.72	15.78	15.70	15.77	15 75
38 0	15.76	15.72	15.58	15.56	15.64	15.63	15.65	15.72	15.80	15.70	15.77	15.75
43 0	15.76	15.71	15.58	15.58	15.64	15.63	15.65	15.74	15.80	15.72	15.77	15.75
48 0	15.75	15.71	15.56	15.60	15.65	15.63	15.65	15.74	15.78	15.73	15.77	15·75
53 0	15.75	15.70	15.56	15.60	15.65	15.63	15.66	15.74	15.76	15.76	15.77	15.75
58 0	15.75	15.68	15.56	15.60	15.66	15.65	15.68	15.75	15.74	15.78	15.77	15.75
Therm.	87°0	87°2	87°1	86°8	86°0	85°7	85°5	85°0	84°9	84°8	84°5	84°1

TERM-DAY OBSERVATIONS, ON THE 27TH OF NOVEMBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	34′278	34′141	33′798	33′728	33′728	33′592	33′592	34′278	34′552	34′552	34′837	35′650
5 0	34.346	34.141	33.798	33·592	34.484	33.523	33.729	34.278	34.484	34.621	35.032	35.650
10 0	34.415	34.141	33.866	33.523	33.798	33.523	33.729	34 346	34.484	34.621	35.101	35.718
15 0	34.278	34·072	33.728	33·523	33.592	33.592	33.729	34.346	34.415	34.484	35.170	35.718
20 0	34.209	34.072	33.798	33.660	33·455	33.523	33.798	34·415	34.552	34.484	35.170	35.787
25 0	34.209	34.072	33.660	33.729	33.455	33.523	33.866	34.415	34.484	34.484	35.170	35.787
30 0	34.141	34.072	33.660	33.660	33.249	33.523	33.935	34.415	34.552	34.484	35 238	35.787
35 0	34.141	34.072	33.866	33.455	33.523	33.592	34.003	34·484	34.552	34·552	37.307	35.787
40 0	34.209	34.003	33.798	33.455	33.455	33.592	34.072	34.552	34.621	34·621	35.307	35.718
45 0	34.209	33.935	33.728	33.455	33.455	33.592	34.141	34.552	34.621	34.621	35.375	35.650
50 0	34.141	33.866	33.728	33.455	33.455	33.592	34.141	34.552	34.621	34.758	35.375	35.650
55 0	34 141	33.866	33.866	33.523	33.592	33.592	34.209	34.552	34.552	34.758	35·513	35.581

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	22.40	22.43	22.42	22 50	22.65	22.75	22.85	22.90	22.87	22.59	22.40	22.23
7 0	22.41	22.43	22.40	22.55	22.62	22.78	22.87	22.91	22.84	22.58	22.40	22.18
12 0	22.41	22.43	22.44	22.56	22.60	22.80	22.86	22.91	22.85	22.57	22.40	22.16
17 0	22.41	22.43	22.42	22.55	22.65	22.80	22.85	22.92	22.83	22.61	22.38	22.12
22 0	22.42	22.42	22.45	22.58	22.66	22.80	22.86	22.93	22.80	22.63	22.36	22·12
27 0	22.43	22.42	22.41	22.59	22.68	22.78	22.86	22.93	22.74	22.65	22.36	22.08
32 0	22.43	22.42	22.39	22.62	22.68	22.78	22.87	22.94	22.70	22.61	22.36	22.08
37 0	22.43	22.41	22.40	22.65	22.66	22 80	22.88	22.93	22·68	22.56	22.34	22.02
42 0	22.43	22.42	22.42	22.68	22.66	22.82	23.89	22.92	22.65	22.52	22.30	22.00
47 0	22.43	22.42	22.45	22.67	22.65	22.82	22.89	22.91	22.60	22.46	22.26	22.00
52 0	22.43	22.42	22.48	22.65	22.65	22.80	22.89	22.90	22.59	22.45	22.24	21.94
57 0	22.43	22.42	22.49	22·66	22.70	22.82	22.89	22.90	22.57	22.38	22.24	21.88
Therm.	78°0	78°3	78°3	77°6	77°5	77°8.	78°5	79°8	87°3	82°4	83°4	84°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	24.10	23·74	23.73	23.92	23.88	23.98	23.90	23 60	23.35	23.08	22.95	23.00
8 0	24.02	23·74	23·78	23.90	23.88	24.00	23.86	23.57	23.25	23.08	22.92	23.00
13 0	23.97	23.72	23.82	23.86	23.90	23.98	23.85	23.56	23.22	23.05	22.94	23.00
18 0	23.89	23.73	23.85	23.85	23.90	23.98	23.85	23.54	23.22	23·02	22.94	22 98
23 0	23.87	23.74	23.86	23.85	23.92	23.98	23.83	23.51	23.20	23.00	22.94	22.96
28 0	23.86	23.75	23.88	23.85	23.92	24.00	23.82	23.46	23.20	22.96	22.96	22.94
33 0	23.86	23.75	23.90	23.85	23.92	24.00	23.80	23.45	23.20	22.95	22.98	22.92
38 0	23.83	23.75	23.90	23.86	23.92	24.00	23.76	23.45	23.18	22.95	23.00	22.92
43 0	23.81	23.75	23.92	23.88	23.92	24.00	23.74	23.42	23.15	22.96	23.00	22.90
48 0	23.78	23.76	23.95	23.88	23.92	24 00	23.74	23.39	23.12	22.98	23.00	22.88
53 0	23 77	23.76	22.94	23.88	23.92	24.00	23.69	23.38	23.10	22.98	23.00	22.82
58 0	23.75	23.73	23.95	23.88	23.94	23.94	23.61	23.35	23·08	22.98	23.00	22.82
Therm.	78°4	78°4	78°4	78°2	77°9	77°9	78°0	79°0	79°6	80°3	87°3	82°0

TERM-DAY OBSERVATIONS, ON THE 27TH OF NOVEMBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	35'581	35'307	35'170	34'837	34'689	34'552	34'415	34'346	34'484	34'552	34'689	34'552
5 0	35.513	35.307	35.170	34.758	34.758	34.552	34.415	34.346	34.621	34.552	34.758	34.621
10 0	35.513	35.238	35.170	34.758	34.837	34.552	34.346	34.346	34.621	34.484	34.837	34.621
15 0	35.513	35.238	35.238	34.837	34.758	34.621	34.346	34.346	34.552	34.484	34.837	34.689
20 0	35.513	35.238	35.101	34.758	34.758	34.621	34.346	34.346	34.552	34.484	34.758	34.837
25 0	35.444	35.238	35.101	34.837	34.758	34.621	34.346	34.346	34.621	34.552	34.689	35.032
30 0	35.444	35.170	35.170	34.837	34.689	34.552	34.346	34.346	34.621	34.621	34.689	35.101
35 0	35.444	35.170	35.170	34.837	34.689	34.484	34.346	34.346	34.552	34.621	34.621	35.101
40 0	35.375	35.170	35.238	34.837	34.621	34.484	34.346	34.346	34.552	34.621	34.689	35.032
45 0	35.375	35.170	35.101	34.758	34.552	34.484	34.346	34.415	34.484	34.621	34.837	34.895
50 0	35.307	35.170	35.032	34.758	34.552	34.484	34.278	34.484	34.484	34.552	34.837	34.837
55 0	35.307	35.170	29.964	34.758	34.552	34.484	34.278	34.484	34.552	34.552	34.689	34.689

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21.85	21.74	21.57	21.55	21.64	21.58	21.71	21.75	21.75	21.80	21.95	22.05
7 0	21.83	21.73	21.55	21.55	21.62	21.61	21.71	21.75	21.75	21.82	21.95	22.08
12 0	21.83	21.71	21.54	21.56	21.62	21.60	21.74	21.75	21.78	21.85	21.95	22.08
17 0	21.82	21.70	21.52	21.59	21.60	21.61	21.74	21.75	21.79	21.83	21.94	22.10
22 0	21.81	21.68	21.53	21.60	21.60	21.62	21.74	21.75	21.81	21.84	21.96	22.08
27 0	21.80	21.68	21.55	21.64	21.60	21.62	21.74	21.75	21.78	21.82	21.98	22.05
32 0	21.79	21.67	21.57	21.65	21.60	21.62	21.74	21.75	21.79	21.80	22.00	22.05
37 0	21.77	21.66	21.54	21.65	21.60	21.64	21.75	21.76	21.76	21.84	22.04	22.05
42 0	21.76	21.64	21.51	21.64	21.58	21.65	21.75	21.77	21.78	21.90	22.04	22.05
47 0	21.76	21.63	21.49	21.66	21.54	21.70	21.75	21.79	21.77	21.94	22.05	22.08
52 0	21.75	21.62	21.52	21.65	21.56	21.71	21.75	21.80	21.75	21.92	22.05	22.10
57 0	21.74	21.60	21.55	21.64	21.60	21.70	21.75	21.80	21.78	21.91	22.05	22.12
Therm.	84°5	84°6	84°0	82°7	81°5	80°4	81°0	80°5	79°9	79°5	79°0	79°0

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	22.80	22.59	22.60	22.75	22.95	23.10	23.15	23.11	23.33	23.36	23.58	23.60
8 0	22.78	22.58	22.64	22.75	22.95	23.10	23.16	23.10	23.26	23.36	23.60	23.60
13 0	22.73	22.58	22.66	22.78	22.96	23.10	23.16	23.10	23.30	23.35	23.60	23.60
18 0	22.70	22.58	22.68	22.82	22.96	23.10	23.15	23.10	23.32	23.35	23.60	23.62
23 0	22.69	22.58	22.70	22.85	22.98	23.10	23.14	23.11	23.34	23.35	23.58	23.64
28 0	22.67	22.58	22.72	22.88	23.00	23.12	23.14	23.12	23.35	23.35	23.58	23.64
33 0	22.66	22.57	22.74	22.90	23.00	23.12	23.13	23.13	23.35	23.34	23.58	23.64
38 0	22.62	22.57	22.75	22.94	23.00	23.12	23.12	23.15	23.38	23.34	23.60	23.66
43 0	22.61	22.57	22.75	22.95	23.00	23.12	23.12	23.19	23.38	23.38	23.60	23.66
48 0	22.60	22.57	22.75	22.95	23.00	23.12	23.12	23.22	23.40	23.45	23.60	23.66
53 0	22.60	22.57	22.75	22.95	23.00	23.12	23.12	23.23	23.40	23.50	23.60	23.68
58 0	22.59	22.59	22.75	22.95	23.08	23.15	23.11	23.29	23.38	23.54	23.60	23.65
Therm.	82°5	83°1	83°4	83°0	82°0	81°5	81°2	81°0	80°5	80°2	79°8	79°5

TERM-DAY OBSERVATIONS, ON THE 23RD OF DECEMBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.												
0 0	36'061	36'199	36'130	35'650	35'238	35'718	34'964	35'444	36'061	36'267	36'267	36'473
5 0	36.199	35.924	36.130	35.718	35.513	35.581	35.307	35.581	35.993	36.336	36.267	36.336
10 0	36.267	35.787	36.061	35.718	35.444	35.375	35.375	35.581	35.993	36.404	36.336	36.336
15 0	36.404	35.856	35.993	35.787	35.581	35.170	35.444	35.718	35.993	36.473	36.336	36.404
20 0	36.473	36.061	35.924	35.650	35.581	35.032	35.513	35.856	35.924	36.473	36.267	36.404
25 0	36.404	36.267	35.856	35.513	35.513	34.964	35.238	35.924	35.856	36.473	36.336	36.404
30 0	36.336	36.336	35.787	35.375	35.650	34.964	35.170	35.993	35.787	36.473	36.404	36.336
35 0	36.473	36.199	35.718	35.238	35.718	34.728	35.307	35.993	35.787	36.404	36.404	36.199
40 0	36.549	36.199	35.650	35.170	35.787	34.552	35.375	36.061	35.924	36.336	36.336	36.199
45 0	36.336	36.130	35.650	35.170	35.924	34.552	35.375	36.061	36.061	36.336	36.542	36.267
50 0	36.130	35.993	35.581	35.170	35.856	34.484	35.375	36.130	36.130	36.267	36.542	36.199
55 0	36.199	35.787	35.581	35.170	35.856	35.689	35.444	36.130	36.199	36.267	36.679	36.130

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	21·95	21·35	22.35	22·45	22.55	22.55	22.47	22.70	22.40	22.15	21.82	21.41
7 0	21.96	21.42	22.36	22.45	22.54	22·53	22.45	22.70	22.38	22.11	21.80	21.35
12 0	21.98	21.58	22.36	22.46	22.52	22.50	22.45	22·70	22.35	20·09	21.81	21.32
17 0	22.00	21.70	22.37	22.47	22.50	22.51	22.44	22.66	22.32	22·07	21.79	21.30
22 0	22.00	21.82	22.38	22.48	23.53	22.47	22.42	22·64	22.30	22.06	21.76	21.30
27 0	22.14	21.96	22·38	22.48	22.56	22.50	22.50	22·60	22.31	22.04	21.74	21.26
32 0	22.20	22.08	22.38	22.49	22.58	22.52	22.56	22.57	22.35	22.01	21.70	21.24
37 0	22.22	22.14	22.38	22.51	22.60	22.48	22.64	22.55	22.36	21.95	21.63	21·22
42 0	22.25	22.20	22.39	22.54	22.61	22.47	22.70	22.52	22.32	21.92	21·58	21.25
47 0	22·26	22.22	22.42	22.55	22.65	22.49	22.68	22.50	22.29	21.90	21.52	21.25
52 0	22.32	22.30	22.44	22.55	22·63	22.46	22.69	22.46	22.25	21.88	22.47	21.20
57 0	22.34	22.32	22.45	22.56	22.59	22.45	22.69	22.42	22.20	21.85	21.48	21.15
Therm.	76°4	76°1	75°6	75°2	75°0	75°3	76°0	76°9	78°8	80°0	81°1	82°5

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	10h	11h	12h	13h	14h	15h	16h	17h	18h	19h	20h	21h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	21.35	21.50	21.50	21.50	21.56	21.74	21.71	21.62	21.40	21.10	20.95	20.62
8 0	21.35	21.52	21·47	21.50	21.60	21.74	21.71	21.62	21.40	21.11	20.90	20·60
13 0	21.38	21·54	21.47	21.50	21.62	21.75	21.72	21.60	21.37	21.11	20.88	20.55
18 0	21.40	21.55	21·46	21·50	21.62	31.75	21.72	21.56	21.32	21.11	20.88	20·52
23 0	21.40	21.54	21.45	21.50	21.64	21·75	21.72	21.56	21.29	21.11	20.85	20·48
28 0	21.40	21.54	21.45	21.51	21·66	21.75	21.72	21.54	21.24	21.11	20.82	20.44
33 0	21.44	21.52	21.45	21.53	21.68	21·74	21.74	21.54	21.20	21·09	20.78	20·42
38 0	21.45	21.52	21.46	21.55	21.72	31.74	21.70	21.50	21.14	21.06	20.76	20.40
43 0	21.45	21.54	21.48	21.56	21.74	31.72	21.70	21.50	21.11	21.04	20.75	20.40
48 0	21.45	21.54	21·49	21.56	21.72	21.72	21.70	21.50	21.10	21.01	20·72	20.36
53 0	21·48	21.52	21.50	21.57	21.70	21.72	21.70	21.50	21.10	21.00	20.68	20.35
58 0	21.50	21.50	21.50	21.56	21·72	32.71	21.64	21.44	21.10	20,96	20.65	20.34
Therm.	76°8	76°5	76°3	76°0	75°6	75°5	75°7	76°0	76°9	78°0	79°1	80°1

TERM-DAY OBSERVATIONS, ON THE 23RD OF DECEMBER 1863.

LARGE DECLINATION MAGNETOMETER (*in Arc*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.												
0 0	36'267	35'787	35'787	35'924	36'267	36'747	36'610	36'267	36'267	35'924	35'787	35.718
5 0	36.199	35.718	35.718	35.993	36.336	36.679	36.610	36.267	36.199	35.924	35.513	35.718
10 0	36.267	35.718	35.718	35.993	36.336	36.747	36.542	36.267	36.130	35.924	35.581	35.650
15 0	36.199	35.787	35.718	36.061	36.267	36.747	36.679	36.267	36.130	35.924	35.581	35.787
20 0	36.199	35.718	35.718	36.061	36.199	36.679	36.679	36.199	36.130	35.924	35.650	35.787
25 0	36.199	35.718	35.787	36.130	36.267	36.747	36.610	36.267	36.061	35.856	35.650	35.718
30 0	36.061	35.718	35.856	36.199	36.404	36.679	36.473	36.267	35.993	35.856	35.444	35.718
35 0	36.061	35.718	35.924	36.199	36.404	36.679	36.473	36.267	35.924	35.856	35.513	35.787
40 0	35.993	35.718	35.924	36.199	36.542	36.679	36.404	36.336	35.924	35.856	35.718	35.787
45 0	35.993	35.787	35.924	36.199	36.679	36.610	36.336	36.336	35.924	35.856	35.718	35.856
50 0	35.993	35.787	35.856	36.199	36.747	36.610	36.336	36.267	35.924	35.856	35.787	35.718
55 0	35.856	35.856	35.856	36.199	36.747	36.542	36.336	36.267	35.924	35.856	35.787	35.513

LARGE HORIZONTAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
2 0	20.10	20.90	20.76	20.82	20.64	20.76	21.05	21.30	21.60	21.74	21.84	22.00
7 0	20.08	20.88	20.76	20.83	20.68	20.78	21.08	21.32	21.61	21.73	21.85	22.01
12 0	20.04	20.84	20.76	20.83	20.70	20.77	21.10	21.32	21.61	21.71	21.86	22.05
17 0	20.00	20.82	20.78	20.81	20.71	20.75	21.10	21.38	21.63	21.74	21.88	22.03
22 0	20.00	20.80	20.79	20.78	20.74	20.76	21.16	21.40	21.65	21.78	21.91	22.04
27 0	20.98	20.80	20.79	20.72	20.75	20.74	21.20	21.44	21.66	21.79	21.86	22.07
32 0	20.98	20.80	20.80	20.69	20.75	20.78	21.26	21.48	21.67	21.80	21.87	22.09
37 0	20.96	20.80	20.80	20.64	20.76	20.80	21.28	21.48	21.71	21.82	21.90	22.06
42 0	20.95	20.80	20.79	20.62	20.75	20.85	21.30	21.48	21.76	21.82	21.92	22.07
47 0	20.92	20.80	20.79	20.61	20.78	20.90	21.30	21.48	21.77	21.82	21.89	22.08
52 0	20.92	20.82	20.80	20.61	20.78	20.91	21.30	21.50	21.78	21.82	21.91	22.10
57 0	20.90	20.80	20.80	20.62	20.79	20.94	21.30	21.58	21.78	21.82	21.95	22.07
Therm.	83°0	83°1	83°1	82°1	80°6	79°8	78°8	18°5	78°0	77°5	77°2	77°2

VERTICAL FORCE MAGNETOMETER (*in Scale Readings*).

Göttingen Mean Time.	22h	23h	Noon.	1h	2h	3h	4h	5h	6h	7h	8h	9h
M. S.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.	Sca. div.
3 0	20.34	20.20	20.38	20.51	20.81	20.95	21.08	21.10	21.10	21.18	21.21	21.25
8 0	20.36	20.20	20.39	20.51	20.84	20.95	21.08	21.10	21.10	21.18	21.22	21.25
13 0	20.36	20.20	20.40	20.53	20.85	20.92	21.10	21.10	21.11	21.19	21.22	21.25
18 0	20.36	20.20	20.40	20.54	20.85	20.94	21.10	21.10	21.12	21.20	21.24	26.26
23 0	20.34	20.22	20.40	20.54	20.85	20.94	21.10	21.10	21.13	21.22	21.24	21.26
28 0	20.34	20.24	20.41	20.57	20.88	20.94	21.10	21.10	21.13	21.22	21.25	21.25
33 0	20.34	20.24	20.42	20.60	20.92	20.95	21.10	21.08	21.14	21.22	21.25	21.25
38 0	20.30	20.26	20.45	20.60	20.94	20.95	21.12	21.08	21.14	21.22	21.25	21.25
43 0	20.30	20.28	20.47	20.60	20.94	20.98	21.10	21.10	21.15	21.22	21.26	21.28
48 0	20.28	20.30	20.49	20.63	20.95	21.02	21.10	21.10	21.17	21.22	21.26	21.28
53 0	20.24	20.34	20.50	20.69	20.95	21.05	21.10	21.10	21.17	21.23	21.25	21.28
58 0	20.20	20.38	20.51	20.76	20.95	21.08	21.10	21.10	21.17	21.21	21.25	21.26
Therm.	80°8	81°5	82°0	82°0	81°0	80°9	79°6	79°0	78°5	78°3	78°1	77°6

REGISTER OF DISTURBANCE OBSERVATIONS.

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 9th.	0 00	35·856	30·67	19.07	15.60	88°0	87°0	49.15	88°8
	0 15	36.542	30.93	18.77	14.95	88.0	87.3	49.17	89.0
	0 30	36.885	31.45	18.44	14.34	88.2	87.7	49.11	89.1
	0 45	36.816	30.67	18.48	14.40	88.4	87.9	48.92	89.3
	1 00	36.199	30.67	18.45	14.40	88.4	87.9	48.92	89.3
	1 15	36.199	30.67	18.44	14.30	88.3	87.6	48.92	89.3
	1 30	36.473	30.93	18.20	14.00	88.1	87.5	48.92	89.2
	1 45	36.267	30.93	18.23	13.90	87.8	87.2	48.95	89.1
	2 00	36.679	31.39	18.14	13.60	87.5	87.0	49.05	88.8
	2 15	36.610	31.19	18.25	13.90	87.2	86.9	49.05	88.5
	2 30	36.610	31.19	18.00	13.55	87.1	86.8	49.00	88.4
	2 45	35.856	30.15	17.85	13.30	87.1	86.6	49.00	88.4
	3 00	35.032	29.36	18.62	14.60	87.0	86.3	48.96	88.2
	3 15	34.827	29.10	18.95	14.95	86.7	86.1	48.94	88.0
	3 30	34.209	28.58	19.04	15.05	86.6	86.0	48.95	87.8
	3 45	33.798	27.79	19.15	15.30	86.5	85.8	48.98	87.5
	4 00	33.180	27.53	19.38	15.75	86.5	85.5	48.98	87.5
	4 15	32.974	27.37	19.48	15.78	86.4	85.2	49.05	87.5
	4 30	33.455	27.53	19.44	15.70	86.4	85.1	49.25	87.5
	4 45	33.729	28.31	19.45	15.70	86.3	85.0	49.25	87.4
	5 00	33.935	28.58	19.50	15.90	86.0	85.0	49.50	87.0
	5 15	33.935	28.58	19.54	15.92	86.0	85.0	49.50	87.0
	5 30	33.866	28.58	19.60	16.00	86.0	84.9	49.52	86.9
	5 45	34.072	28.68	19.74	16.10	85.9	84.6	49.52	86.7
	6 00	34.141	28.89	19.80	16.28	85.6	84.2	49.48	86.4
	6 15	34.278	29.10	19.95	16.60	85.2	84.0	49.20	86.3
	6 30	34.141	28.89	19.98	16.62	85.0	83.8	49.24	86.0
	6 45	34.552	29.41	20.01	16.70	84.9	83.4	49.25	85.8
	7 00	34.895	29.62	20.05	16.65	84.5	83.0	49.35	85.5
	7 15	35.513	29.67	20.08	16.80	84.4	82.9	49.34	85.4
	7 30	35.513	29.62	20.25	16.80	84.2	82.8	49.40	85.2
	7 45	35.444	29.62	20.30	16.92	84.0	82.6	49.42	85.0
	8 00	35.170	29.62	20.90	16.98	84.0	82.6	49.50	85.0
	8 15	35.513	29.98	20.35	16.80	83.9	82.3	49.50	84.9
	8 30	35.513	30.15	20.30	16.98	83.9	82.0	49.50	84.9
	8 45	35.581	30.20	20.32	16.99	83.9	82.0	49.20	84.9
	9 00	35.856	30.46	20.14	16.70	83.8	81.9	49.16	84.8
	9 15	35.924	30.67	20.21	16.75	83.8	81.9	49.17	84.8
	9 30	36.061	30.72	20.20	16.70	83.8	81.9	49.31	84.8
	9 45	36.199	30.82	20.14	16.61	83.8	81.9	49.27	84.8
	10 00	36.199	30.82	20.15	16.70	83.8	81.9	49.29	84.7
	10 15	36.267	30.87	20.10	16.64	83.8	81.9	49.30	84.7
	10 30	36.199	30.87	20.30	16.81	83.7	81.8	49.25	84.7
	10 45	36.236	30.97	20.28	16.78	83.7	81.8	49.28	84·7
	11 00	36.542	31.19	20.30	16.80	83·6	81.7	49.30	84.6

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometers
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 9th.	11 15	36'542	31'19	20.33	16.85	83°6	81°7	49.31	84°6
	11 30	36.610	31.29	20.30	16.76	83.5	81.6	49.25	84.5
	11 45	36.679	31.34	20.25	16.68	83.4	81.6	49.25	84.4
	12 00	36.885	31.65	20.41	17.10	83.3	81.4	49.32	84.3
	12 15	36.953	31.71	20.45	17.17	83.3	81.4	49.36	84.3
	12 30	37.022	31.81	20.66	17.40	83.1	81.3	49.32	84.3
	12 45	36.199	31.34	20.60	17.35	83.1	81.2	49.25	84.1
	13 00	36.404	31.41	20.58	17.20	83.0	81.1	49.20	83.9
	13 15	36.610	31.51	20.52	17.12	82.9	81.0	49.15	83.8
	13 30	36.404	31.39	20.58	17.18	82.8	81.0	49.15	83.6
	13 45	36.404	31.39	20.64	17.22	82.8	81.0	49.20	83.6
	14 00	36.610	31.19	20.50	17.05	82.9	81.0	49.22	83.6
	14 15	36.404	30.67	20.58	17.15	83.0	81.0	49.25	83.6
	14 30	36.199	30.67	20.70	17.40	83.1	81.0	49.25	83.6
	14 45	35.993	30.67	20.80	17.60	83.4	81.0	49.28	83.6
	15 00	36.061	30.67	20.90	17.75	83.5	81.1	49.22	83.7
	15 15	36.061	30.67	20.85	17.65	83.7	81.3	49.22	83.8
	15 30	36.061	30.67	20.65	17.40	84.0	81.5	49.26	84.1
	15 45	36.404	30.77	20.48	17.20	84.4	81.8	49.30	84.4
	16 00	36.404	30.67	20.50	17.20	84.5	82.1	49.25	84.5
	16 15	36.267	30.67	20.45	17.20	84.6	82.4	49.25	84.5
	16 30	36.267	30.46	20.40	17.20	84.9	82.7	49.25	84.5
	16 45	36.336	30.67	20.65	17.65	85.0	82.9	49.20	84.5
	17 00	35.993	30.67	20.90	18.00	85.1	82.9	49.12	84.8
	17 15	35.924	30.67	20.85	18.10	85.2	82.9	49.00	84.9
	17 30	35.924	30.67	20.85	18.10	85.4	83.0	49.00	85.0
	17 45	35.856	30.67	20.85	18.10	85.7	83.0	49.00	85.2
	18 00	35.650	30.15	20.99	18.25	86.0	83.0	48.80	85.3
	18 15	35.650	30.15	20.99	18.25	86.4	83.1	48.80	85.4
	18 30	35.307	29.10	20.99	18.40	86.5	83.8	48.80	85.7
	18 45	34.964	29.10	21.00	18.46	86.5	84.0	48.74	85.7
	19 00	34.621	29.10	20.95	18.30	66.7	84.7	48.60	86.0
	19 15	34.484	29.10	21.00	18.40	87.0	85.0	48.52	86.0
	19 30	34.278	28.68	21.15	18.48	87.0	85.4	48.50	86.2
	19 45	34.141	28.58	21.00	18.30	87.1	85.7	48.50	86.4
	20 00	34.072	28.15	20.85	18.14	87.2	85.7	48.50	86.7
	20 15	33.798	28.15	20.80	18.10	87.5	86.0	48.52	86.8
	20 30	33.523	28.05	20.75	18.10	87.5	86.1	48.52	87.0
	20 45	33.386	28.10	20.64	17.90	87.5	86.2	48.53	87.1
	21 00	33.249	27.89	20.51	17.70	87.6	86.3	48.48	87.1
	21 15	33.386	28.10	20.46	17.55	87.6	86.3	48.53	87.2
	21 30	33.386	28.15	20.25	17.36	87.7	86.4	48.54	87.3
	21 45	33.317	28.10	20.22	17.29	87.7	86.4	48.55	87.4
	22 00	33.112	27.84	20.24	17.31	87.7	86.5	48.54	87.6
	22 15	33.386	28.51	20.00	17.05	87.7	86.6	48.60	87.7
	22 30	33.798	28.63	20.13	17.20	87.7	86.6	48.60	88.0
	22 45	33.798	28.63	20.15	17.24	87.7	86.6	48.61	88.0
	23 00	34.141	28.84	20.02	17.05	87.6	86.5	48.60	88.0
	23 15	34.278	29.04	20.00	16.99	87.6	86.5	48.62	88.0
	23 30	35.375	29.62	19.82	16.72	87.5	86.5	48.67	88.0
	23 45	34.895	29.46	19.88	16.80	87.4	86.4	48.75	88.1
Apr. 10th.	0 00	35.101	29.67	19.87	16.76	87.4	86.2	48.75	88.1
	0 15	35.170	29.88	19.91	16.80	87.3	86.2	48.71	88.1
	0 30	35.375	29.93	19.87	16.77	87.2	86.1	48.66	88.1
	0 45	35.238	29.93	19.90	16.78	87.1	85.9	48.65	88.1
	1 00	35.101	29.88	19.88	16.70	87.0	85.7	48.62	88.1
	1 15	35.101	29.89	19.86	16.70	86.8	85.3	48.60	88.0
	1 30	34.827	29.62	19.89	16.76	86.6	85.1	48.62	87.9

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 10th.	1 45	34·621	29·36	19.95	16.82	86·5	85·1	48.62	87·7
	2 00	34.895	29.62	19.91	16.80	86.5	85.0	48.65	87.6
	2 15	34.689	29.46	19.93	16.86	86.4	85.0	48.67	87.6
	2 30	34.415	29.36	19.99	16.90	86.3	85.0	48.68	87.5
	2 45	34.346	29.20	20.05	17.00	86.3	84.9	48.68	87.5
	3 00	34.415	29.36	20.14	17.10	86.1	84.7	48.65	87.3
	3 15	34.278	29.20	20.20	17.16	86.0	84.6	48.62	87.2
	3 30	34.278	29.20	20.16	17.12	85.9	84.5	48.60	87.1
	3 45	34.278	29.20	20.25	17.24	85.9	84.3	48.58	87.0
	4 00	34.346	29.10	20.30	17.20	85.6	84.1	48.65	86.8
	4 15	34.278	29.10	20.25	17.10	85.3	83.8	48.75	86.5
	4 30	34.415	29.10	20.21	17.00	85.1	83.4	48.85	86.2
	4 45	34.415	29.10	20.20	17.00	85.1	83.3	48.88	86.1
	5 00	34.837	29.10	20.25	17.10	84.3	83.2	48.89	86.0
	5 15	34.484	29.10	20.28	17.12	84.2	83.1	48.80	86.0
	5 30	34.837	29.10	20.34	17.20	84.0	83.0	48.88	85.9
	5 45	34.837	29.10	20.35	17.28	84.0	83.0	48.90	85.8
	6 00	34.621	29.04	20.40	17.30	84.0	83.0	49.00	85.5
	6 15	34.621	29.04	20.42	17.30	84.0	82.8	49.00	85.5
	6 30	34.837	29.30	20.50	17.38	84.0	82.6	49.00	85.5
	6 45	34.837	29.30	20.52	17.38	84.0	82.2	49.00	85.4
	7 00	35.170	29.36	20.50	17.40	83.7	82.0	49.00	85.2
	7 15	35.238	29.36	20.58	17.40	83.6	82.0	49.00	85.0
	7 30	35.307	29.62	20.64	17.50	83.3	82.0	49.00	84.9
	7 45	35.513	29.62	20.70	17.58	83.2	82.0	49.00	84.9
	8 00	35.170	29.62	20.47	17.50	83.1	81.9	49.00	84.8
	8 15	34.895	29.51	20.50	17.54	83.1	81.7	49.00	84.6
	8 30	34.758	29.62	20.57	17.60	83.0	81.7	49.00	84.5
	8 45	34.758	29.62	20.58	17.62	83.0	81.7	49.00	84.5
	9 00	34.827	29.67	20.72	17.66	83.0	81.6	49.04	84.4
	9 15	34.827	29.67	30.74	17.69	83.0	81.5	49.05	84.4
	9 30	34.895	29.72	20.79	17.75	83.0	81.5	49.07	84.3
	9 45	34.895	29.72	20.84	17.77	83.0	81.4	49.10	84.3
	10 00	34.895	29.72	20.90	17.80	82.9	81.3	49.16	84.2
	10 15	34.895	29.72	20.92	17.80	82.9	81.3	49.20	84.2
	10 30	34.895	29.72	20.95	17.84	82.9	81.2	49.22	84.2
	10 45	34.827	29.67	20.95	17.84	82.9	81.2	49.24	84.1
	11 00	34.827	29.67	20.97	17.85	82.9	81.2	49.30	84.0
	11 15	34.827	29.67	20.99	17.86	82.9	81.1	49.32	84.0
	11 30	34.827	29.67	20.99	17.86	82.9	81.0	49.34	83.9
	11 45	34.827	29.67	20.98	17.84	82.8	80.9	49.35	83.9
	12 00	34.758	29.62	21.00	17.85	82.7	80.8	49.36	83.8
	12 15	34.758	29.62	21.02	17.85	82.6	80.7	49.37	83.8
	12 30	34.689	29.56	21.00	17.80	82.6	80.7	49.37	83.8
	12 45	34.689	29.56	21.02	17.84	82.5	80.6	49.38	83.7
	13 00	34.552	29.36	21.01	17.84	82.5	80.5	49.36	83.6
	13 15	34.552	29.36	21.03	17.84	82.3	80.4	49.36	83.6
	13 30	34.552	29.36	21.05	17.84	82.2	80.3	49.36	83.5
	13 45	34.621	29.36	21.03	17.82	82.2	80.2	49.38	83.4
	14 00	34.827	29.36	21.10	17.90	82.3	80.3	49.42	83.4
	14 15	35.032	29.62	21.12	17.90	82.5	80.4	49.45	83.5
	14 30	35.307	30.15	21.08	17.90	82.5	80.5	49.45	83.5
	14 45	35.650	30.15	21.14	18.00	82.6	80.6	49.45	83.5
	15 00	35.581	30.15	21.10	18.00	82.8	80.6	49.42	83.5
	15 15	35.718	30.15	21.12	18.05	83.1	80.8	49.38	83.5
	15 30	35.924	30.41	21.22	18.30	83.3	80.9	49.32	83.6
	15 45	35.856	30.15	21.29	18.40	83.6	81.1	49.25	83.6
	16 00	35.924	30.25	21.27	18.40	83.9	81.1	49.20	83.6
	16 15	35.924	30.25	21.33	18.55	84.1	81.3	49.15	83.9
	16 30	35.924	30.15	21.38	18.70	84.4	81.7	49.15	84.0

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. E. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Apr. 10th.	16 45	35'924	30'15	21.44	18.86	84°5	81°7	49.15	84°0
	17 00	35.581	30.03	21.60	19.00	84.8	81.9	48.98	84.4
	17 15	35.513	30.03	21.60	19.00	85.0	82.2	48.98	84.5
	17 30	35.307	29.62	21.65	19.18	85.1	82.7	48.98	84.6
	17 45	35.101	28.99	21.66	19.25	85.2	83.0	48.94	84.8
	18 00	34.827	28.99	21.69	19.26	85.5	83.5	48.80	85.0
	18 15	34.621	28.99	21.69	19.28	85.6	83.8	48.72	85.1
	18 30	34.346	28.89	21.70	19.30	85.8	84.0	48.68	85.2
	18 45	34.141	28.15	21.70	19.32	85.9	84.0	48.56	85.5
	19 00	33.729	28.05	21.70	19.34	85.9	84.0	48.50	85.5
Oct. 7th.	22 00	35.032	31.71	18.75	15.40	87.3	84.0	17.00	87.3
	22 15	35.170	31.91	18.40	15.31	87.3	84.0	17.00	87.4
	22 30	35.856	32.39	18.08	14.30	87.3	84.1	16.97	87.5
	22 45	36.061	32.55	17.84	14.00	87.3	84.2	16.96	87.5
	23 00	35.238	32.24	17.33	13.30	87.3	84.2	16.89	87.9
	23 15	35.375	32.29	17.44	13.37	87.3	84.4	16.87	88.0
	23 30	35.444	32.34	17.34	13.20	87.3	84.4	16.85	88.0
	23 45	35.375	32.17	17.25	13.10	87.2	84.4	16.80	88.0
Oct. 8th.	00 00	35.375	32.24	17.27	13.10	87.2	84.4	16.79	88.0
	00 15	35.581	32.34	17.29	13.15	87.0	84.3	16.75	88.0
	00 30	35.581	31.65	17.45	13.32	86.7	84.3	16.73	88.0
	00 45	34.413	31.19	17.60	13.50	86.5	84.0	16.68	87.9
	1 00	34.621	31.71	17.84	13.60	86.4	83.9	16.70	87.7
	1 15	34.895	31.91	17.60	13.30	86.3	83.7	16.70	87.5
	1 30	35.238	31.91	17.45	13.10	86.0	83.5	16.72	87.4
	1 45	35.856	32.76	17.60	13.40	85.6	83.4	16.74	87.2
	2 00	36.610	32.91	17.31	13.70	85.6	83.3	16.75	87.1
	2 15	36.542	32.76	17.85	13.84	85.5	83.2	16.78	87.0
	2 30	36.267	32.76	17.75	13.75	85.4	83.2	16.75	86.9
	2 45	36.267	32.76	17.80	13.78	85.3	83.1	16.76	86.8
	3 00	36.951	33.26	18.05	13.95	85.2	83.1	16.75	86.6
	3 15	37.228	33.76	18.25	14.20	85.1	83.0	16.78	86.5
	3 30	36.816	33.66	18.45	14.45	85.1	83.0	16.78	86.5
	3 45	36.816	33.66	18.40	14.45	85.0	82.9	16.80	86.4
	4 00	36.679	33.36	18.38	14.35	84.9	82.9	16.80	86.2
	4 15	37.228	33.76	18.28	14.30	84.9	82.9	16.80	86.0
	4 30	37.365	33.76	18.25	14.25	84.9	82.9	16.80	85.9
	4 45	36.954	33.76	18.15	14.25	84.9	82.9	16.82	85.8
	5 00	37.502	33.81	18.15	14.08	84.8	82.8	16.90	85.8
	5 15	37.502	33.81	18.25	14.40	84.7	82.7	16.92	85.8
	5 30	37.365	33.81	18.66	14.98	84.6	82.6	16.90	85.7
	5 45	37.228	33.74	18.88	15.28	84.4	82.4	16.90	85.6
	6 00	37.228	33.74	18.90	15.30	84.4	82.4	16.90	85.5
	6 15	36.954	33.74	19.05	15.50	84.4	82.2	16.90	85.4
	6 30	36.679	33.28	19.35	15.85	84.2	82.0	16.90	85.4
	6 45	36.404	32.70	19.52	16.00	84.1	82.0	16.90	85.2
	7 00	36.473	32.70	19.65	16.20	84.0	82.0	16.90	85.0
	7 15	36.336	32.76	19.68	16.20	84.0	82.0	16.86	85.0
	7 30	36.404	32.76	19.50	15.94	83.9	81.9	16.82	84.9
	7 45	36.267	32.76	19.50	15.94	83.9	81.9	16.80	84.9
	8 00	36.199	32.70	19 30	15.80	83.9	81.9	16.68	84.8
	8 15	36.404	32.76	19.20	15.70	83.9	81.9	16.60	84.8
	8 30	36.542	33.28	19.38	16.00	83.8	81.8	16.58	84.8
	8 45	36.513	32.76	19.96	16.32	83.7	81.8	16.61	84.7
	9 00	35.170	32.24	20.28	16.60	83.6	81.7	16.71	84.7
	9 15	35.375	32.55	19.85	16.46	83.5	81.7	16.76	84.7

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 8th.	9 30	35'581	33'28	19.78	16.37	83°5	81°7	16.78	84°7
	9 45	35.307	32.76	20.08	16.69	83.5	81.7	16.79	84.7
	10 00	34.964	31.60	20.38	17.00	83.4	81.5	16.79	84.6
	10 15	34.689	31.34	20.50	17.11	83.4	81.4	16.80	84.6
	10 30	34.621	31.34	20.53	17.15	83.4	81.4	16.81	84.6
	10 45	35.238	32.55	19.97	16.86	83.4	81.4	16.81	84.6
	11 00	34.837	32.45	19.98	16.88	83.3	81.3	16.87	84.5
	11 15	34.689	32.39	20.00	16.94	83.2	81.2	16.88	84.4
	11 30	34.141	32.02	20.62	17.49	83.2	81.1	16.89	84.4
	11 45	34.072	31.91	20.90	17.58	83.1	81.0	16.90	84.3
	12 00	33.386	30.67	20.60	17.50	83.1	81.0	16.90	84.1
	12 15	33.249	30.41	20.57	17.45	83.1	80.9	16.90	84.0
	12 30	33.798	30.97	20.63	17.52	83.1	80.8	16.89	83.9
	12 45	33.386	30.67	20.65	17.52	83.1	80.8	16.90	83.8
	13 00	34.141	31.19	20.30	17.00	83.1	80.8	16.92	83.6
	13 15	34.141	31.19	20.25	16.80	83.0	80.8	16.92	83.5
	13 30	33.866	30.87	20.20	16.62	82.9	80.7	16.94	83.4
	13 45	33.798	30.67	20.11	16.50	82.9	80.6	16.96	83.4
	14 00	34.141	31.19	20.11	16.60	82.9	80.6	17.00	83.4
	14 15	34.621	31.60	20.05	16.60	83.0	80.6	17.00	83.5
	14 30	35.170	32.24	20.13	16.72	83.1	80.6	17.02	83.6
	14 45	35.444	32.50	20.26	16.92	83.1	80.6	17.05	83.6
	15 00	35.718	32.50	20.26	17.10	83.3	80.6	17.05	83.6
	15 15	35.513	32.24	20.36	17.22	83.4	80.6	17.05	83.6
	15 30	35.513	32.24	20.32	17.22	83.6	80.6	17.02	83.7
	15 45	35.856	32.34	20.05	17.10	83.8	80.7	17.02	83.8
	16 00	36.267	32.76	19.72	16.50	84.1	80.9	17.02	84.0
	16 15	36.336	32.76	19.74	16.35	84.3	81.0	17.02	84.1
	16 30	36.543	32.76	19.72	16.35	84.5	81.1	17.00	84.3
	16 45	36.336	32.76	19.75	16.36	84.8	81.3	17.00	84.5
	17 00	36.336	32.80	19.67	16.30	85.0	81.4	16.94	85.0
	17 15	36.267	32.76	19.60	16.24	85.1	81.5	16.90	85.0
	17 30	35.856	32.50	19.62	16.26	85.3	81.6	16.90	85.1
	17 45	35.650	32.34	19.80	16.78	85.6	81.7	16.84	85.1
	18 00	35.375	32.24	19.92	16.90	85.7	81.8	16.82	85.1
	18 15	35.170	32.02	19.86	16.80	85.8	82.2	16.86	85.2
	18 30	34.964	31.76	19.90	16.90	86.0	82.6	16.89	85.4
	18 45	35.101	31.76	19.94	16.96	86.2	82.7	16.90	85.5
	19 00	34.964	32.02	19.69	16.60	86.3	82.9	16.86	85.8
	19 15	34.837	31.71	19.70	16.76	86.4	83.0	16.80	85.9
	19 30	34.689	31.34	19.70	16.76	86.5	83.1	16.74	86.0
	19 45	34.278	30.82	19.73	16.80	86.5	83.2	16.70	86.0
	20 00	34.415	30.98	19.67	16.60	86.5	83.3	16.70	86.1
	20 15	34.141	30.71	19.62	16.64	86.5	83.3	16.70	86.1
	20 30	34.072	30.67	19.70	16.65	86.5	83.4	16.70	86.2
	20 45	34.003	30.67	19.64	16.61	86.5	83.4	16.69	86.3
	21 00	34.003	30.67	19.55	16.54	86.5	83.5	16.67	86.6
	21 15	33.935	30.61	19.60	16.58	86.5	83.5	16.66	86.7
	21 30	34.003	30.72	19.56	16.55	86.5	83.6	16.63	86.9
	21 45	34.003	30.72	19.61	16.59	86.6	83.7	16.62	87.1
	22 00	34.072	30.72	19.59	16.55	86.7	83.8	16.62	87.2
	22 15	34.141	30.77	19.50	16.51	86.8	83.8	16.61	87.3
	22 30	34.141	30.77	19.44	16.43	86.8	83.8	16.60	87.3
	22 45	34.484	31.24	19.26	16.00	86.9	83.9	16.60	87.4
	23 00	35.444	32.24	19.13	15.80	86.9	84.0	16.60	87.4
	23 15	35.787	32.65	19.20	15.87	86.9	84.0	16.59	87.5
	23 30	35.924	32.70	19.17	15.85	86.8	84.0	16.58	87.5
	23 45	36.336	33.02	19.26	15.93	86.7	84.0	16.56	87.5

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometers.
	H. M.			Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 9th.	00 00	36·199	32·76	19.43	16.06	86·5	84·0	16.53	87·5
	00 15	35.307	32.50	19.47	16.10	86.3	84.0	16.50	87.5
	00 30	35.238	32.44	19.49	16.12	86.2	84.0	16.50	87.5
	00 45	34.837	32.24	19.68	16.40	86.1	83.8	16.55	87.5
	1 00	34.689	31·71	19.73	16.60	85.9	83.6	16.55	87.3
	1 15	34.758	31.71	19.78	16.66	85.7	83.4	16.55	87.1
	1 30	34.964	31.76	19.75	16.66	85.4	83.3	16.56	86.9
	1 45	35.170	31.91	19.74	16.66	85.3	83.1	16.58	86.7
	2 00	35.444	31.71	19.86	16.76	85.3	83.1	16.55	86.6
	2 15	35.513	31.71	19.96	16.84	85.2	83.0	16.55	86.5
	2 45	35.856	31.71	19.86	16.72	85.0	82.9	16.55	86.3
	3 00	36.061	32.34	19.91	16.80	85.0	82.9	16.58	86.2
	3 15	36.061	32.34	19.88	16.80	85.0	82.9	16.60	86.2
	3 30	36.130	32.76	19.80	16.70	85.0	82.9	16.60	86.2
	3 45	36.336	33.06	19.75	16.62	85·0	82.9	16.60	86.1
	4 00	36.130	32.76	19.75	16.55	84.9	82.9	16.60	86.0
	4 15	36.130	32.76	19.76	16.55	84.9	82.9	16.60	86.0
	4 30	36.130	32.76	19.79	16.55	84.7	82.8	16.60	85.9
	4 45	36.130	32.76	19.79	16.55	84.7	82.8	16.60	85.9
	5 00	35.924	32.70	19.86	16.60	84.5	82.8	16.58	85.8
	5 15	35.718	32.65	19.96	16.74	84.4	82.7	16.54	85.7
	5 30	35.375	32.24	20.12	17.00	84.4	82.7	16.54	85.7
	5 45	35.032	31.97	20.28	17.09	84.4	82.6	16.50	85.6
	6 00	34.895	31.71	20.34	17.10	84.4	82.6	16.54	85.4
	6 15	35.238	31.97	20.28	17.00	84.4	82.6	16.54	85.4
	6 30	35.444	32.12	20.20	17.09	84.3	82.5	16.66	85·2
	6 45	35.718	32.34	20.18	17.00	84.3	82.4	16.72	85.1
	7 00	36.199	32.55	20.15	16.90	84.0	82.2	16.70	85·0
	7 15	36.336	32.65	20.10	16.82	84.0	82.1	16.76	85.0
	7 30	35.718	32.17	20.40	17.00	83.8	82.0	16.72	84.9
	7 45	35.238	31.71	20.54	17·38	63.7	81.9	16.70	84.8
	8 00	35.375	32.02	20.46	17.26	83.6	81.8	16.70	84.7
	8 15	35.718	32.29	20.40	17.20	83.5	81.8	16.70	84.6
	8 30	35.993	32.50	20.38	17.12	83.5	81.7	16.70	84.6
	8 45	35.170	32.17	20.39	17.06	83·5	81.7	16.69	84.6
	9 00	35.032	31.50	20.47	17.10	83.4	81.5	16.69	84.5
	9 15	34.895	31.41	20.52	17.14	83.4	81.4	16.69	84.5
	9 30	34.415	31.19	20.58	17.19	83.3	81.4	16.69	84.4
	9 45	34.346	31.19	20.61	17.23	83.3	81.3	16.68	84.4
	10 00	34.209	31.19	20.54	17.20	83.3	81.2	16.71	84.3
	10 15	34.141	31.19	20.52	17.18	83.2	81.1	16.74	84.3
	10 30	34.003	31.03	20.55	17·22	83.2	81.0	16.75	84.3
	10 45	34.484	31.39	20.45	17.16	83.2	81.0	16.76	84.2
	11 00	34.552	31.34	20.55	17.23	83·1	81.0	16.77	84.1
	11 15	34.621	31.45	20.57	17.26	83·1	80.9	16.79	84.0
	11 30	34.552	31.39	20.60	17.28	83·0	80.8	16.79	84.0
	11 45	34.837	31.39	20.54	17·21	83·0	80.7	16.82	84.0
	12 00	33.935	30.82	20.45	17.10	83.0	80.6	16.85	83.9
	12 15	33.866	30 82	20.42	17.08	83.0	80.5	16.85	83.9
	12 30	33.866	30.87	20.44	17.10	82.9	80.5	16.86	83.9

DISTURBANCE OBSERVATIONS, 1863.

Date. Göttingen Mean Time.		Declination.		Horizontal Force Magnetometers.				Vertical Force Magnetometer.	
		Large.	Small.	Large.	Small.	Thermometers.			
		At Full Time.	5 min. after Full Time.	2 min. after Full Time.	4 min. after Full Time.	Large. H. F. M.	Small. S. H. F.	2 min. before Full Time.	Thermometer.
	H. M.	′ ″	″	Sc. Read. Uncorrected.	Sc. Read. Uncorrected.			Sc. Read. Uncorrected.	
Oct. 9th.	12 45	33·866	30·87	20.52	17.22	83°0	80.3	16.86	83°7
	13 00	34.141	31.19	20.60	17.40	83.0	80.2	16.88	83.5
	13 15	34.484	31.71	20.56	17.40	83.0	80.1	16.88	83.4
	13 30	34.689	31.86	20.65	17.50	82.9	80.0	16.88	83.4
	13 45	34.837	32.02	20.66	17.52	82.8	80.0	16.90	83.3
	14 00	35.513	32.24	20.64	17.50	82.6	80.0	16.92	83.3
	14 30	35.993	33.02	20.60	17.44	82.5	80.0	16.94	83.4
	15 00	36.865	33.96	20.74	17.50	82.9	80.0	17.00	83.4
	15 30	37.022	33.96	20.80	17.60	83.1	80.4	17.02	83.5
	16 00	37·228	34.56	20.60	17.55	83.5	80.8	16.95	83.6
	16 30	37.159	34.56	20.65	17.66	84.1	80.9	16.85	83.9
	17 00	36.865	33.28	20.85	18.02	84.1	81.2	16.90	84.1
	17 30	36.816	33.28	20.70	17.90	84.7	83.2	16.78	84.4
	18 00	36.130	32.70	20.65	17.90	85.4	82.0	16.82	84.5

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

MAGNETICAL OBSERVATIONS.

1863.

BOMBAY MAGNETICAL OBSERVATIONS.

MAGNETICAL RESULTS.

Under this head are comprised the five Magnetic Elements :—

1st.—Declination.
2nd.—Horizontal Force.
3rd.—Vertical Force.
4th.—Computed Dip or Inclination.
5th.—Total Force.

From the Mean Values of these five Elements a short summary of Results is drawn at the end.

From the peculiar position of the Declinometer with respect to Transit Instrument each Observation becomes Absolute Determination of Declination, and the foregoing tables are prepared from the hourly Observations given above without any alteration or correction.

From the hourly Values of Horizontal Force and calculated Dip as given above, tables of daily means, &c., are prepared in the first instance, and to these a correction, found from the Values, of Horizontal Intensity from Deflection, and Dip from Observation, is applied. Values so corrected are given in the Results, as corrected for instrumental errors.

A correction obtained from such corrected Values of Horizontal Force and Dip is applied to the Values of Vertical Intensity in the hourly Observations, and such corrected Values are given in the Results.

Abnormal or Magnetic disturbance days are thrown out in finding the hourly and monthly Values of each Element.

DECLINATION.

TABLE XII.—*Mean Value of Absolute Easterly Declination in Arc as obtained from the Scale Readings of Large Declination Magnetometer for each Day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	32·683	33·180		33·715	34·626	33·095	32·977		34·044	34·402	34·268	34·892
2	32.943	33.226	33·133			33.426	33.386	33·824	34.015	34.498	34.333	34.923
3		33.296	33.732	34.807	34.974	33.152	34.018	33.824	34.089		34.346	34.850
4	32.889	33.243	34.192		35.021	32.909		33.728	33.758	34.461	34.359	35.062
5	32.654	32.211		34.621	34.298	33.072	33.100	33.509		34.488	34.589	
6	32.377	32.440	33.973	35.035	33.911		33.806	34.181	34.120	34.467	34.583	34.879
7	32.226			34.995	33.628	33.409	33.700	33.732	33.809	34.891*		35.084
8	32.651	33.115	33.975	34.412	33.118	33.232	33 760		34.161	35.453*	34.481	35.448
9	32.223	33.486	33.972	35.293*		33.429	33·698	33.646	34.312*	35.191	34.816	35.353
10		32.812	34.406	34.576	33.403	33.964	33.932	33.278	34.710*			35.342
11	32.760	32.746	33.692		33.440	34.032		33.240	34.627	35.177	34.444	35.355
12	32.874	32.906	33.492	34.515	33.341	33.172	33.984	32.951		34.954	34.493	
13	32.669	32.443	33.799	34.302	33.578		33.626	33.912	34.621	35.202	34·334	36.041
14	33.012			34.721	34.304	33.535	33.826	33.992*	34·759	34.891		35.430
15	32.932		33.669	34.398	33.778	33.223	34.162*		34.347	35.110	35.044	35.408
16	33.032	32.609	34.272	34.273		33.858	34.679*	33.789	34.774	34.744	34.745	35.465
17		32.489	33.712	33.815	33.629	33.449	33.738	33.589	34.545		34.616	35.450
18	32.294	32.735	33.806		33.424	33.446		33.912	34.476	35.202	34.204	35.793
19	33.052	32.037	33.601	34.369	33.263	33.257	33.958	34.178		34.787	34.948	
20	32.257	32.211	33.712	34.078	33.455		34.127	33.992	34.578	35.408	34.716	35.768
21	31.525			34.001	33.892	33.700	34.269	34.124	34.415	34.716		35.704
22	31.554	32.839	34.358	34.047	33.949	33.726	34.095		34.530	34.807	34.204	35.733
23	31.783	32.357	34.524	34.467		33.555	34.001	34.031	35.221	34.421	34.407	35.925
24		32.417	34.555	34.126	33.569	33.329	33.821	34.075	34.822		34.559	35·722
25	32.754	32.965	33.886		33.255	33.266		33.815	34.924	34.163	34.659	
26	33.041	32.842	33.500	34.559	34.538	33.752	34.099			34.407	34.593	
27	32.866	32.866	34.412	34.209	33.589		33.641	33.675	34.613	34.634	34.533	35.793
28	32.732	32.953		33.809	33.107	33.495	33.512	34.126	34.618	34.269	34.215	35.550
29	33.323		34.616	33.841	33.399	33.349	33.647	34.128	33.998	34.318		35.960
30	32.437		34.667	34.264	33.052	33.678	33.649		34.377	33.892	34.652	35.474
31			34.685				33.358	33.672				

* This sign denotes an Abnormal day, or a day on which the Magnetic Disturbance had occurred.

TABLE XIII.—*Showing, for each Month, the Mean Value of Absolute Easterly Declination in Arc and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Value of Easterly Declination.	Difference from the Mean of the Year.
January	32·598	− 1·358
February	32·768	− 1·188
March	34·010	0·054
April	34·331	0·375
May	33·690	− 0·266
June.....	33·437	− 0·519
July	33·749	− 0·207
August.....	33·789	− 0·167
September	34·428	0·472
October	34·692	0·736
November	34·526	0·570
December	35·454	1·498

FOR SEASONS.	
Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter ..	34·008
Mean of {April, May, June, / July, Aug., Sept.} or Summer ..	33·904
Mean of the year.....	33·956
Greatest Monthly Mean in December..	35·454
Least Monthly Mean in January.....	32·598
Difference..	2·856

TABLE XIV.—*Mean Value of Absolute Easterly Declination in Arc as obtained from the Scale Readings of Large Declinometer in each Month, for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon	32'703	32'897	34'279	34'364	33'630	33'138	33'663	33'680	34'669	35'130	34'805	35'913
1	32.637	32.734	33.880	34.338	33.835	33.479	33.943	34.036	34.624	34.634	34.461	35.900
2	32.580	32.826	33.523	34.149	33.779	33.439	33.800	33.995	34.369	34.581	34.623	35.881
3	32.816	32.892	33.693	33.989	33.397	33.107	33.342	33.689	34.278	34.636	34.810	35.916
4	32.850	32.907	33.795	33.952	33.291	33.001	33.194	33.606	34.344	34.701	34.795	35.837
5	32.885	32.746	33.795	34.224	33.538	33.178	33.350	33.643	34.381	34.733	34.887	35.853
6	32.872	32.806	33.726	34.297	33.602	33.370	33.515	33.700	34.418	34.756	34.914	35.677
7	32.917	32.894	33.896	34.476	33.738	33.531	33.732	33.866	34.592	34.885	34.989	35.699
8	32.822	32.824	33.990	34.610	33 902	33.736	33.886	34.016	34.664	34.977	34.921	35.688
9	32.748	32.962	34.083	34.647	34.019	33.882	33.988	34.204	34.795	34.979	34.826	35.688
10	32.709	32.912	34.045	34.678	34.080	33.996	34.160	34.209	34.827	34.775	34.632	35.535
11	32.515	32.797	33.940	34.674	34.127	33.922	34.215	34.278	34.869	34.719	34.478	35.345
12	32.223	32.755	33.751	34.550	34.093	33.869	34.250	34.301	34.808	34.547	34.219	35.140
13	32 054	32.629	33.803	34.543	34.331	34.220	34.693	34.655	35.024	34.515	33.896	34.892
14	31.940	32.424	34.053	35.296	35.494	35.210	36.050	35.564	35.501	34.764	33.847	34.584
15	31.803	32.489	34.794	36.150	36.344	35.734	36.580	36.159	36.410	35.447	33.578	34.338
16	32.621	32.797	35.403	36.211	36.254	35.484	36.015	35.736	36.373	35.745	33.787	34.695
17	33.534	33.206	35.271	35.504	34.824	34.473	34.679	34.491	35.315	35.513	34.334	35.255
18	33.056	33.155	34.836	34.424	33.130	33.204	33.350	33.232	34.189	34.678	34.281	35.370
19	32.006	32.741	33.882	33.106	31.924	32.106	32.001	32.103	32.685	33.723	34.002	35.194
20	32.078	32.386	33.216	32.449	31.127	31.315	31.435	31.481	31.997	33 252	34.342	35.222
21	32.676	32.477	32.938	32.506	31.335	31.025	31.449	31.514	32.111	33.544	35.056	35.653
22	32.761	32.535	33.493	33.006	31.962	31.613	31.803	32.112	33.012	35.350	35.142	35.787
23	32.552	32.623	34.113	33.803	32.803	32.470	32.881	32.657	34.011	35.021	34.945	35.815

TABLE XV.—*Excess of the Mean Hourly Easterly Declination above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	0'104	0'129	0'269	0'033	-0'060	-0'301	-0'086	-0'109	0'243	0'438	0'279	0'458
1	.037	- .034	- .130	.007	.145	.040	.194	.247	0.197	-0.058	-0.065	0.444
2	- .004	.053	- .487	- .182	.089	.000	.051	.206	-0.057	-0.111	-0.097	0.425
3	.217	.124	- .317	- .342	- .293	- .332	- .407	- .100	-0.149	-0.056	0.284	0.460
4	.251	.139	- .215	- .379	- .399	- .438	- .555	- .183	-0.083	0.009	0.269	0.402
5	.287	- .022	- .215	- .107	- .152	- .261	- .399	- .146	-0.045	0.041	0.361	0.397
6	.273	.038	- .284	- .034	- .088	- .069	- .234	- .089	-0·008	0.064	0.388	0.221
7	.329	.126	- .114	.145	.048	.092	- .017	.077	0.165	0.193	0.463	0·244
8	.223	.056	- .020	.279	.212	.287	.137	.227	0.237	0.285	0,395	0.232
9	.149	.196	.073	.316	.329	.443	.239	.415	0.370	0.287	0.300	0.232
10	.101	.144	.035	.347	.390	.596	.411	.420	0.401	0.083	0.156	0.080
11	- .084	.029	- .070	.343	.437	.483	.466	.489	0.443	0.027	-0.048	-0.110
12	- .376	- .028	- .228	.219	.403	.430	.501	.512	0.383	-0.145	-0.307	-0.316
13	- .545	- .125	- .207	.212	.641	.781	.944	.866	0.598	-0.177	-0.630	-0.563
14	- .659	- .344	.043	.965	1.804	1.771	2.301	.775	1.076	0.072	-0.679	-0.830
15	- .796	- .279	.744	1.819	2.634	2.295	2.831	2·370	1.958	0.755	-0.948	-1.118
16	.022	.029	1.393	1.880	2.564	2.045	2.266	1.947	1.946	1.053	-0.739	-0.759
17	.935	.438	1.261	1.173	1.134	1.034	0.930	0.702	0.888	0.821	-0.192	-0.201
18	.457	.387	0.826	0.093	-0.560	-0.235	- .399	- .557	-0.237	-0.014	-0.245	-0.086
19	- .593	- .026	- .128	-1.225	-1.766	-1.333	-1.748	-1.686	-1.742	-0.969	-0.524	-0.261
20	- .522	- .382	- .794	-1.882	-2.563	-2.124	-2.314	-2.308	-2.430	-0.440	-0.194	-0.234
21	.078	- .291	-1.029	-1.825	-2.355	-2.414	-2.300	-2.275	-2.316	-1.148	0.530	0.197
22	.162	- .233	-0.517	-1.325	-1.728	-1.826	-1.946	-1.677	-1.415	-0.342	0.616	0.331
23	- .047	- .145	.103	-0.528	-0.887	-0.969	-0.868	-1.132	-0.415	0.329	0.419	0.359

TABLE XVI.—*Showing, for the Year* 1863, *the Mean Value of Absolute Easterly Declination in Arc for each hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Absolute Declination.	Difference from the Mean of the whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	34°073	0°117	
1	5 ,,	34·042	·086	
2	6 ,,	33·962	·006	
3	7 ,,	33·880	- ·076	
4	8 ,,	33·856	- ·100	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night.. 34°052
5	9 ,,	33·934	- ·022	
6	10 ,,	33·971	·015	
7	11 ,,	34·101	·145	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day.... 33·859
8	0 12 A.M.	34·169	·213	
9	1 ,,	34·235	·279	
10	2 ,,	34·217	·261	Mean Annual.... 33·956
11	3 ,,	34·157	·201	
12	4 ,,	34.042	·086	
13	5 ,,	34·105	·149	
14	6 ,,	34·561	·605	
15	7 ,,	34.986	1·030	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 ,,	35·093	1.137	
17	9 ,,	34·700	0·744	G. M. T. B. C. T.
18	10 ,,	33·909	- ·047	A Maximum at Noon or 4 P.M.
19	11 ,,	32·956	-1·000	A Minimum at 4 or 8 ,,
20	0 12 P.M.	32·525	-1·431	A Maximum at 9 or 1 A.M.
21	1 ,,	32·695	-1·261	A Minimum at 12 or 4 ,,
22	2 ,,	33·131	-0·825	A Maximum at 16 or 8 ,,
23	3 ,,	33·641	- ·315	A Minimum at 20 or Noon.

TABLE XVII.—*Showing, for the Year* 1863, *the Hours of Göttingen Mean Solar Time about which the Mean Value of Absolute Easterly Declination in Arc in each Month, was at its Maximum and Minimum.*

Months, 1863.	Mean Hourly Declination in Arc was at its								Mean Diurnal Range.	The Time at which the Mean Hourly Declination in Arc was at its							
	First Evening Maximum.	First Evening Minimum.	Second Evening Maximum.	Second Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.		First Evening Maximum.	First Evening Minimum.	Second Evening Maximum.	Second Evening Minimum.	Midnight Maximum.	Morning Minimum.	Morning Maximum.	Midday Minimum.
										H	H	H	H	H	H	H	H
January ..	32°703	32°580	32°885	32°872	32°917	31°803	33°534	32°006	1°731	0	2	5	6	7	15	17	19
February .	32·897	32·734	32·907	32 746	32·962	32·424	33·206	32·386	0·820	0	1	4	5	9	14	17	20
March....	34·279	33·523	33·795	33·796	34·083	33·751	35·403	32·988	2·415	0	2	5	6	9	12	16	21
April	34·364	33·952			34·678	34·543	36·211	32·449	3·762	0	4			10	13	16	20
May	33·835	33·291			34·127	34·093	36·344	31·127	5·217	1	4			11	12	15	20
June	33·479	33·001			33·996	33·869	35·734	31·025	4·709	1	4			10	12	15	21
July	33·943	33·194					36·580	31·435	5·145	1	4					15	20
August ..	34·036	33·606					36·159	31·481	4·678	1	4					15	20
September.	34·669	34·278			34·869	34·808	36·410	31·997	4·413	0	3			11	12	15	20
October ..	35·130	34·581			34·979	34·515	35·745	33·252	2·493	0	2			9	13	16	20
November .	35·142	34·461	34·810	34·795	34·989	33·578	34·334	34·002	1·564	22	1	3	4	7	15	17	19
December .	35·913	35·881	35·916	35·677	35·699	34·388	35·379	35·194	1·528	0	2	3	6	7	15	18	19

TABLE XVIII.—*Showing the Range of Absolute Easterly Declination for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863. January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	2'812	2'744		3'567	3'841	5'831	5'693		6'517	4'459	2'127	4'184
2	2.813	2.263	3'773			5.831	5.213	5'076	5.694	3.430	1.715	3.087
3		2.037	2.607	2.401	4.527	6.517	3.910	4.871	5.350		1.646	2.676
4	2.401	2.401	2.087		5.283	5.282		3.636	4.899	3.430	1.841	2.881
5	2.744	2.538		3.499	5.968	5.359	7.752	5.626		4.116	3.704	
6	1.715	3.498	3.061	2.127	5.625		5.076	3.635	5.419	2.950	2.744	1.578
7	2.773			3.087	6.037	5.694	6.654	5.831	4.665	4.390		2.401
8	3.224	1.989	1.786	2.676	4.940	4.116	5.351		4.391	3.499	2.744	3.430
9	2.401	2.469	2.263	3.773		3.567	5.968	6.312	4.116	4.459	2.058	2.685
10		2.744	2.470	3.155	5.282	4.116	5.556	6.098	6.160			2.538
11	3.979	2.950	1.786		5.899	5.008		5.076	4.586	4.206	1.235	2.538
12	2.470	2.950	2.401	4.527	6.449	5.282	5.008	5.213		2.760	2.538	
13	4.665	1.715	2.607	5.625	3.842		5.900	6.036	6.380	3.224	2.538	1.784
14	3.087			2.881	3.841	4.390	5.214	4.528	6.380	2.950		2.195
15	2.539		2.676	6.037	5.488	5.625	5.351		5.420	1.921	2.469	2.058
16	1.715	2.470	3.155	5.900		5.625	4.459	5.968	4.195	1.715	2.607	1.440
17		2.401	3.635	5.351	6.654	5.488	5.762	5.899	3.773		2.607	2.127
18	4.322	2.331	3.705		6.997	5.768		5.968	4.116	2.127	2.470	1.710
19	2.882	1.852	3.430	4.322	7.271	4.871	7.272	4.186		2.538	2.676	
20	3.087	1.989	4.665	5.350	6.449		6.792	4.802	2.949	2.813	2.058	2.127
21	2.401			4.321	4.665	4.565	6.449	4.596	3.155	3.430		1.510
22	3.087	3.293	5.488	5.350	5.557	4.253	4.528		3.773	3.156	2.333	1.990
23	2.881	2.469	3.841	6.106		4.322	4.459	2.469	4.596	2.813	2.881	2.117
24		3.293	3.567	5.488	5.488	5.556	4.184	3.332	4.322		2.470	2.332
25	2.882	3.968	3.705		6.722	4.116		4.048	4.322	1.577	3.498	
26	3.451	3.087	3.293	4.322	4.802	3.979	2.881			2.744	2.196	
27	3.155	3.518	3.979	5.351	5.468		4.734	5.625	3.705	2.950	2.058	2.744
28	2.195	2.304		3.773	6.517	5.008	5.350	5.969	4.322	2.606	2.607	2.401
29	2.882		3.842	3.498	4.391	4.871	6.311	5.556	5.214	1.853		2.881
30	5.350		2.675	2.744	4.391	5.214	4.870		3.773	2.812	3.430	1.372
31			3.087				6.722	6.243				

TABLE XIX.—*Showing the Greatest and the Least Values of Absolute Easterly Declination in Arc in Simple Hourly Observations during the Year* 1863.

Months, 1863.	Greatest Declination in Arc. Day and Hour.	Greatest Declination.	Normal Mean.	Difference.	Least Declination in Arc. Day and Hour.	Greatest Declination	Normal Mean.	Difference.
	D. H.				D. H.			
January	18 17	35'513	33'501	2'012	22 13	29'682	32'188	- 2'506
February	1 23	34·895	32·588	2·307	24 20	30·505	32·636	- 2·131
March	22 16	37·571	35·603	1·968	2 21	31·397	32·767	- 1·370
April	23 16	38·257	36·221	2·036	15 20	30·436	32·449	- 2·013
May	4 16	37·571	36·239	1·332	28 21	29·270	31·201	- 1·931
June	2 15	36·885	35·994	0·891	15 21	29·682	31·025	- 1·343
July	20 15	37·571	36·510	1·061	5 22	28·515	31·471	- 2·956
August	28 15	37·228	36·268	0·960	31 20	29·613	31·739	- 2·126
September	10 1	37·571	34·526	3·045	4 20	30·505	31·808	- 1·303
October	8 5	37·502	34·632	2·870	1 20	31·671	32·625	- 0·954
November	5 21	36·473	34·552	1·921	4 16	32·083	34·505	- 2·422
December	29 2	37·159	35·881	1·278	1 16	32·426	34·241	- 1·815

TABLE XX.—*Mean Value of Absolute Horizontal Intensity corrected for Instrumental Errors as obtained from the Scale Readings of Large Horizontal Force Magnetometer for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En Un	En. Un.
1	8.0613	8.0621		8.0666	8.0653	8.0760	8.0721		8.0649	8.0660	8.0675	8.0708
2	.0642	.0632	.80622			.0784	.0733	8.0661	.0660	.0659	.0680	.0654
3		.0642	.0635	.0651	.0701	.0788	.0701	.0651	.0668		.0664	.0706
4	.0649	.0615	.0582		.0713	.0737		.0645	.0664	.0715	.0631	.0678
5	.0632	.0664		.0655	.0739	.0777	.0736	.0667		.0694	.0581	
6	.0622	.0660	.0609	.0649	.0743		.0739	.0659	.0637	.0731	.0606	.0716
7	.0637			.0642	.0718	.0710	.0701	.0660	.0682	.0608*		.0671
8	.0577	.0610	.0652	.0633	.0715	.0710	.0672		.0617	.0420*	.0638	.0687
9	.0596	.0599	.0622	.0517*		.0643	.0620	.0684	+.0495	.0583	.0639	.0723
10		.0620	.0598	.0608	.0699	.0577	.0650	.0711	+.0468			.0698
11	.0603	.0618	.0627		.0706	.0627		.0706	.0540	.0568	.0690	.0730
12	.0597	.0654	.0620	.0654	.0669	.0655	.0658	.0734		.0599	.0706	
13	.0600	.0646	.0637	.0646	.0636		.0693	.0691	.0567	.0584	.0711	.0633
14	.0572			.0693	.0622	.0636	.0712	.0527*	.0547	.0604		.0679
15	.0616		.0674	.0566	.0621	.0638	.0605*		.0576	.0607	.0621	.0685
16	.0572	.0669	.0695	.0588		.0644	.0549*	.0539	.0597	.0671	.0671	.0702
17		.0675	.0665	.0587	.0651	.0660	.0651	.0563	.0567		.0686	.0713
18	.0610	.0607	.0706		.0647	.0673		.0586	.0573	.0617	.0722	.0666
19	.0603	.0702	.0719	.0578	.0684	.0694	.0598	.0609		.0662	.0707	
20	.0623	.0727	.0697	.0594	.0718		.0613	.0624	.0596	.0598	.0720	.0707
21	.0613			.0637	.0725	.0705	.0621	.0605	.0622	.0604		.0697
22	.0611	.0599	.0549	.0662	.0754	.0649	.0642		.0639	.0617	.0737	.0687
23	.0582	.0617	.0571	.0665		.0633	.0637	.0600	.0515	.0648	.0732	.0689
24		.0628	.0573	.0637	.0739	.0653	.0623	.0637	.0548		.0705	.0680
25	.0476	.0533	.0582		.0788	.0670		.0620	.0573	.0699	.0668	
26	.0410	.0565	.0621	.0645	.0737	.0675	.0661			.0676	.0724	
27	.0489	.0628	.0625	.0649	.0707		.0677	.0638	.0608	.0599	.0768	.0654
28	.0519	.0634		.0725	.0749	.0688	.0675	.0599	.0626	.0639	.0748	.0656
29	.0466		.0617	.0702	.0746	.0646	.0703	.0584	.0636	.0680		.0664
30	.0523		.0586	.0632	.0742	.0717	.0696		.0658	.0707	.0662	.0704
31			.0642				.0712	.0646				

* This sign denotes a Magnetic disturbance day.

TABLE XXI.—*Showing, for each Month, the Mean Value of Absolute Horizontal Intensity corrected for Instrumental Errors and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Value of Horizontal Intensity.	Difference from the Mean of the year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	8·0579	−0·0071	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter ..	8·0643
February	·0632	− ·0018		
March	·0629	− ·0021		
April	·0641	− ·0009	Mean of { April, May, June, July, Aug., Sept. } or Summer ..	8·0658
May	·0705	·0055		
June	·0686	·0036		
July	·0674	·0024	Mean of the Year	8·0650
August	·0639	− ·0011		
September	·0603	− ·0047	Greatest Monthly Mean in May	8·0705
October	·0642	− ·0008	Least Monthly Mean in January	8·0679
November	·0684	− ·0034		
December	·0689	− ·0039	Difference.....	0·0126

TABLE XXII.—*Mean Value of Absolute Horizontal Intensity corrected for Instrumental Errors in each Month for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	8·0610	8.0645	8.0623	8.0651	8.0700	8.0676	8.0653	8.0632	8.0603	8.0628	8·0703	8.0696
1	.0581	.0627	.0604	.0624	.0674	.0657	.0635	.0604	.0593	.0606	.0669	.0671
2	.0550	.0601	.0583	.0600	.0652	.0651	.0630	.0586	.0574	.0592	.0641	.0641
3	.0526	.0583	.0569	.0585	.0634	.0636	.0627	.0577	.0558	.0575	.0620	.0633
4	.0518	.0573	.0560	.0574	.0638	.0636	.0626	.0576	.0553	.0571	.0609	.0620
5	.0533	.0562	.0560	.0579	.0638	.0634	.0625	·0584	.0543	·0578	.0603	.0626
6	.0523	.0567	.0561	.0575	.0633	.0637	.0627	·0585	.0553	·0585	.0610	.0621
7	.0532	.0574	.0568	.0579	.0649	.0641	.0630	.0598	.0555	·0603	.0617	.0633
8	.0538	.0578	.0570	.0576	.0649	.0645	.0632	.0603	.0561	·0606	.0627	.0644
9	.0535	.0582	.0570	.0579	.0653	.0643	.0635	·0607	.0565	·0607	.0648	·0650
10	·0537	.0588	.0572	.0580	.0651	.0646	.0628	·0614	.0570	·0605	.0654	.0651
11	.0542	.0590	.0577	.0590	.0654	.0652	.0633	·0620	.0573	·0607	.0655	.0657
12	.0540	.0585	.0579	.0588	.0662	.0656	.0637	·0620	.0581	·0608	.0657	.0659
13	.0548	.0586	.0579	.0593	.0661	.0658	.0643	.0620	.0583	·0608	.0663	.0665
14	.0553	.0585	.0578	.0596	.0666	.0667	.0648	.0627	.0576	·0603	.0669	.0672
15	.0564	.0598	.0602	.0617	.0693	.0686	.0675	.0634	.0571	·0622	.0689	.0682
16	·0586	.0646	.0661	.0670	.0749	.0714	.0695	.0665	.0600	·0662	.0733	.0708
17	.0623	.0708	.0728	.0732	.0803	.0750	.0767	.0699	.0651	·0717	.0771	.0757
18	.0658	.0743	.0781	·0776	.0839	.0778	.0776	.0732	.0692	·0749	.0800	·0787
19	.0681	.0766	.0798	.0789	.0846	.0783	.0794	.0743	.0716	·0783	·0806	.0797
20	.0689	.0768	.0781	.0782	.0838	.0788	.0784	·0738	.0705	.0770	.0784	.0798
21	.0665	.0742	.0744	.0746	.0816	.0774	.0764	.0724	.0690	.0735	.0750	.0775
22	.0638	.0705	.0701	.0706	.0778	.0747	.0731	.0687	.0670	.0699	.0726	.0750
23	.0620	.0677	.0659	.0664	.0733	.0701	.0686	.0658	.0632	.0664	.0713	.0736

TABLE XXIII.—*Excess of the Mean Hourly Value of Absolute Horizontal Intensity above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	0.0031	0.0013	-0.0006	0.0010	-0.0005	-0.0010	-0.0021	-0.0007	-0.0000	-0.0014	0.0019	0.0007
1	.0002	- .0005	- .0025	- .0017	- .0031	- .0029	- .0039	- .0035	- .0010	- .0036	- .0015	- .0018
2	- .0029	- .0031	- .0046	- .0041	- .0053	- .0035	- .0044	- .0053	- .0029	- .0050	- .0043	- .0048
3	- .0053	- .0049	- .0060	- .0056	- .0071	- .0030	- .0047	- .0062	- .0045	- .0067	- .0064	- .0056
4	- .0061	- .0059	- .0069	- .0067	- .0067	- .0050	- .0048	- .0063	- .0050	- .0071	- .0075	- .0069
5	- .0046	- .0070	- .0069	- .0062	- .0067	- .0052	- .0049	- .0055	- .0060	- .0064	- .0081	- .0063
6	- .0056	- .0065	- .0068	- .0066	- .0072	- .0049	- .0047	- .0054	- .0050	- .0057	- .0074	- .0068
7	- .0047	- .0058	- .0061	- .0062	- .0056	- .0045	- .0044	- .0041	- .0048	- .0039	- .0067	- .0056
8	- .0041	- .0054	- .0059	- .0065	- .0056	- .0041	- .0042	- .0036	- .0042	- .0036	- .0057	- .0045
9	- .0044	- .0050	- .0059	- .0062	- .0052	- .0043	- .0039	- .0032	- .0038	- .0035	- .0036	- .0039
10	- .0042	- .0044	- .0057	- .0061	- .0054	- .0040	- .0046	- 0025	- .0033	- .0037	- .0030	- .0038
11	- .0037	- .0042	- .0052	- 0051	- .0051	- .0034	- .0041	- .0019	- .0030	- .0035	- .0029	- .0032
12	- .0039	- .0047	- .0050	- .0053	- .0043	- .0030	- .0037	- .0019	- .0022	- .0034	- .0027	- .0030
13	- .0031	- .0046	- .0050	- .0048	- .0044	- .0028	- .0030	- .0019	- .0020	- .0034	- .0021	- .0024
14	- .0026	- .0047	- .0051	- .0045	- .0039	- .0019	- .0026	- .0012	- .0027	- .0034	- .0015	- .0017
15	- .0015	- .0034	- .0027	- .0024	- .0012	- .0000	.0001	- .0005	- .0032	- .0020	.0005	- .0007
16	.0007	.0014	.0032	.0029	.0044	.0028	.0021	.0026	- .0003	- .0020	.0049	.0019
17	.0044	.0076	.0099	.0091	.0098	.0064	.0093	.0060	.0048	.0075	.0087	.0068
18	.0079	.0111	.0152	.0135	.0134	.0092	.0102	.0093	.0089	.0107	.0116	.0098
19	.0102	.0134	.0169	.0148	.0140	.0097	.0120	.0104	.0113	.0141	.0122	.0108
20	.0110	.0136	.0152	.0141	.0133	.0102	.0110	.0099	.0102	.0128	.0100	.0109
21	.0086	.0110	.0115	.0105	.0111	.0088	.0090	.0085	.0087	.0093	.0066	.0086
22	.0059	.0073	.0072	.0065	.0073	.0061	.0057	.0048	.0067	.0057	.0042	.0061
23	.0041	.0045	.0030	.0023	.0028	.0015	.0012	.0019	.0029	.0022	.0029	.0047

TABLE XXIV.—*Showing, for the Year* 1863, *the Mean Value of Absolute Horizontal Intensity corrected for Instrumental Errors for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Horizontal Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P.M.	8·0652	0·0002
1	5 12 „	·0629	– ·0021
2	6 12 „	·0608	– ·0042
3	7 12 „	·0594	– ·0056
4	8 12 „	·0588	– ·0062
5	9 12 „	·0589	– ·0061
6	10 12 „	·0590	– ·0060
7	11 12 „	·0600	– ·0050
8	0 12 A.M.	·0602	– .0048
9	1 12 „	·0606	– ·0044
10	2 12 „	·0608	– ·0042
11	3 12 „	·0613	– ·0037
12	4 12 „	·0614	– ·0036
13	5 12 „	·0617	– ·0033
14	6 12 „	·0620	– ·0030
15	7 12 „	·0636	– ·0014
16	8 12 „	.0674	·0024
17	9 12 „	·0726	·0076
18	10 12 „	·0759	·0109
19	11 22 „	·0759	.0109
20	0 12 P.M.	·0769	·0119
21	1 12 „	·0744	·0094
22	2 12 „	·0712	·0062
23	3 12 „	·0679	·0029

FOR DAY AND NIGHT.

	En Un.
Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night..	8·0602
Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1.} or Day....	8·0698
Mean Annual.....	8·0650

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Minimum at	4 or 8 P.M.	
A Maximum at	20 or Noon.	

TABLE XXV.—*Showing, for the Year* 1863, *the Hours of Göttingen Mean Time at which the Mean Value of Horizontal Intensity corrected for Instrumental Errors in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Value of Horizontal Intensity.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Horizontal Intensity was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	En. Un.	En. Un.	En. Un.	H.	H.
January	8·0689	8·0518	0·0171	20	4
February	·0768	·0562	·0206	20	5
March	·0798	·0560	·0238	19	5
April	·0789	·0574	·0215	19	4
May	·0846	·0634	·0212	19	3
June	·0788	.0634	·0154	20	5
July	·0794	·0625	·0169	19	5
August	·0743	·0576	·0167	19	4
September	·0716	·0543	·0173	19	5
October	·0783	·0571	·0212	19	4
November	·0806	·0603	·0203	19	5
December	·0798	·0620	·0178	20	4

In some months double and triple maxima and minima are apparent, but the change in Intensity is so trifling that they are disregarded in preparing this table.

TABLE XXVI.—*Daily Range of Horizontal Intensity calculated from the Scale Readings of Large Horizontal Force Magnetometer, for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	0.0234	0.0237	0.0252	0.0329	0.0285	0.0219	0.0152	0.0146	0.0122	0.0206	0.0213	0.0248
2	.0178	.0184	.0269			.0213	.0159	.0168	.0185	.0197	.0210	.0274
3		.0211	.0310	.0189	.0287	.0221	.0212	.0161	.0159		.0189	.0139
4	.0186	.0202			.0284	.0138		.0172	.0164	.0249	.0328	.0239
5	.0213	.0350	.0311	.0289	.0192	.0251	.0217	.0143		.0229	.0345	
6	.0192	.0344		.0254	.0247		.0148	.0243	.0127	.0280	.0259	.0151
7	.0319		.0235	.0288	.0273	.0179	.0238		.0220	.0615		.0166
8	.0224	.0220	.0305	.0346	.0269	.0137	.0202	.0231	.0235	.0425	.0219	.0244
9	.0183	.0163	.0290	.0436		.0173	.0178	.0250	.0235	.0246	.0234	.0292
10		.0201	.0264	.0297	.0261	.0309	.0224	.0223	.0294			.0252
11	.0277	.0293	.0243		.0204	.0226		.0174	.0281	.0229	.0212	.0233
12	.0182	.0226	.0276	.0197	.0295	.0196	.0186	.0300		.0234	.0222	
13	.0245	.0240		.0227	.0186		.0215	.0223	.0292	.0353	.0233	.0249
14	.0111		.0222	.0224	.0177	.0196	.0189		.0270	.0231		.0214
15	.0202		.0189	.0289	.0264	.0157	.0219	.0283	.0155	.0241	.0303	.0166
16	.0148	.0220	.0223	.0233		.0203	.0437	.0194	.0197	.0263	.0108	.0168
17		.0241	.0313	.0242	.0165	.0156	.0262	.0215	.0414		.0192	.0184
18	.0144	.0206	.0281		.0213	.0228		.0154	.0228	.0221	.0260	.0222
19	.0190	.0291	.0309	.0238	.0310	.0159	.0209	.0226		.0223	.0247	
20	.0199	.0325		.0269	.0288		.0290	.0163	.0253	.0215	.0125	.0157
21	.0151		.0201	.0239	.0251	.0204	.0207		.0185	.0265		.0192
22	.0261	.0263	.0202	.0276	.0269	.0140	.0249	.0200	.0192	.0148	.0322	.0209
23	.0237	.0264	.0210	.0274		.0196	.0207	.0177	.0241	.0207	.0125	.0177
24		.0259	.0276	.0255	.0187	.0219	.0189	.0195	.0238		.0213	.0272
25	.0446	.0227	.0245		.0294	.0228			.0234	.0248	.0232	
26	.0292	.0283	.0291	.0208	.0275	.0217	.0161	.0197		.0228	.0219	
27	.0308	.0232		.0232	.0287		.0165	.0243	.0198	.0294	.0227	.0262
28	.0230	.0262	.0328	.0310	.0178	.0214	.0202	.0339	.0168	.0234	.0189	.9272
29	.0256		.0413	.0311	0250	.0220	.0226		.0187	.0215		.9261
30	.0157		.0412	.0280	.0168	.0256	.0174	.0189	.0217	.0238.	.0268	.0166
31							.0225					

TABLE XXVII.—*Showing, for the Year* 1863, *the Hours of Göttingen Mean Time at which the Value of Horizontal Intensity corrected for Instrumental Errors in simple Hourly Observations in each Month was Greatest and Least.*

Months, 1863.	Horizontal Intensity.		Extreme Range.	The Time at which Horizontal Intensity was			
	Greatest.	Least.		Greatest.		Least.	
	En. Un.	En. Un.	En. Un.	D.	H.	D.	H.
January	8·0821	8·0179	0·0642	7	20	26.	5
February	·0947	·0392	·0555	20	20	25	5
March	·0916	·0378	·0538	31	18	30	4
April	·0930	·0250	·0680	28	20	9	2
May.....	·0991	·0517	·0474	25	19	15	2
June.....	·0960	·0418	·0542	5	19	10	1
July.....	·0882	·0354	·0528	5	19	16	1
August.....	·0878	·0378	·0500	10	19	16	4
September	·0834	·0282	·0552	7	20	10	2
October	·0924	·0149	·0775	6	19	8	0
November	·0939	·0435	·0504	22	18	5	3
December.....	·0893	·0521	·0372	9	19	13	4

TABLE XXVIII.—*Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	78°5	77°5		83°7	87°0	88°7	84°7		81°2	83°0	82°1	80°6
2	78.7	78.6	80°4			88.4	84.2	81°7	81.5	83.6	82.2	80.0
3		79.2	77.9	83.4	86.9	88.3	84.3	81.7	81.0		82.2	81.5
4	78.9	78.3	77.2		86.5	88.2		81.9	80.4	84.6	82.6	80.6
5	79.3	77.8		82.9	86.8	87.3	83.5	82.4		84.7	82.6	
6	78.0	78.0	81.1	82.7	87.0		83.1	82.4	77.5	84.9	81.4	81.2
7	77.4			83.4	87.7	84.2	81.8	82.4	78.3			81.2
8	79.6	78.2	83.1	83.0	88.0	83.3	80.6		80.5		81.5	78.8
9	79.4	77.2	83.0	85.6		83.2	80.5	81.4	80.4	84.7	81.3	78.1
10		76.5	80.7	84.7	87.1	82.7	82.0	81.0	80.2			79.1
11	80.0	78.0	78.2		86.9	83.1		80.0	81.3	84.9	80.4	80.0
12	80.3	79.2	77.1	85.0	86.6	82.9	80.5	79.3		84.4	80.4	
13	78.2	78.6	78.4	84.8	86.5		81.6	79.2	82.2	85.0	79.9	80.3
14	77.4			85.2	86.1	80.9	82.7	79.2	81.0	84.3		79.9
15	77.5		80.0	84.9	86.4	80.6	82.9		81.9	85.8	82.5	79.1
16	76.8	76.9	81.3	84.4		81.1	82.5	80.4	81.8	85.9	84.1	77.6
17		77.2	81.6	84.3	86.4	82.2	82.1	80.6	80.6		84.2	77.0
18	77.4	77.0	81.7		86.5	82.0		80.4	81.5	84.7	84.3	78.2
19	77.1	77.3	81.8	85.5	87.3	82.3	81.9	79.8		84.8	84.8	
20	78.0	79.8	82.2	86.1	88.1		82.4	80.4	81.6	86.4	84.7	79.8
21	77.5			87.3	88.3	83.2	82.4	80.9	81.7	84.6		78.0
22	71.3	80.5	81.6	87.7	88.5	82.9	81.7		82.3	84.3	83.7	77.6
23	72.3	80.6	82.1	87.5		83.0	79.7	80.7	82.2	83.6	82.7	78.4
24		81.1	83.3	86.7	88.9	83.4	79.1	81.1	82.2		79.9	79.1
25	77.8	81.6	83.7		88.9	83.7		81.4	82.9	84.1	78.6	
26	79.3	82.2	84.1	87.5	88.5	84.0	81.1			82.3	79.2	
27	80.0	82.6	85.0	87.8	88.4		81.8	81.3	82.8	79.8	80.3	79.3
28	80.3	82.9		88.0	88.7	84.4	81.4	81.3	82.5	79.7	80.6	77.7
29	80.5		83.9	87.3	88.6	84.4	80.7	81.7	82.7	80.7		77.0
30	78.9		82.8	87.2	88.8	84.9	80.8		83.0	81.6	81.4	76.3
31			82.2				81.4	80.9				

TABLE XXIX.—*Showing, for each Month, the Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Temperature by Horizontal Force Thermometer.	Difference from the Mean of the Year.
January	78°1	− 4°0
February	79·0	− 3·1
March	81·4	− 0·7
April	85·5	3·4
May	87·5	5·4
June.....	84.0	1·9
July	81·8	− 0·3
August.....	81·0	− 1·1
September	81·4	− 0·7
October	83·8	1·7
November	82·0	− 0·1
December	79·0	− 3·1

FOR SEASONS.

Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	80°6
Mean of { April, May, June, July, Aug., Sept. } or Summer....	83·5
Mean of the year.....	82·1
Greatest Monthly Mean in May.....	87·5
Least Monthly Mean in January.....	78·1
Difference....	9.4

TABLE XXX.—*Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer in each Month, for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon	81°7	82°5	83°8	87°8	89°9	85°2	83°0	82°3	83°1	86°3	85°4	82°6
1	80.9	81.7	83.2	87.2	89.3	84.9	82.7	81.9	82.7	85.5	84.3	81.8
2	79.7	80.6	82.3	86.4	88.5	84.6	82.3	81.5	82.0	84.8	83.4	80.9
3	79.0	79.9	81.7	85.8	87.8	84.1	82.0	81.1	81.6	84.2	82.8	80.1
4	78.5	79.4	81.4	85.5	87.4	84.0	81.9	80.9	81.3	83.9	82.4	79.4
5	78.0	78.9	81.1	85.2	87.1	83.8	81.6	80.8	81.0	83.6	81.8	79.0
6	77.6	78.5	80.9	84.9	86.8	83.7	81.6	80.7	80.9	83.4	81.4	78.5
7	77.2	78.2	80.7	84.7	86.7	83.5	81.5	80.6	80.8	83.0	81.0	78.0
8	77.0	77.9	80.5	84.4	86.5	83.3	81.3	80.5	80.6	82.8	80.7	77.7
9	76.7	77.6	80.3	84.2	86.3	83.3	81.2	80.3	80.6	82.6	80.5	77.4
10	76.5	77.2	80.1	84.0	86.0	83.2	81.0	80.3	80.4	82.3	80.2	77.2
11	76.2	77.0	79.9	83.9	85.7	83.1	80.9	80.1	80.3	82.1	79.9	76.8
12	75.8	76.6	79.7	83.7	85.5	83.0	80.8	80.0	80.2	82.0	79.7	76.6
13	75.4	76.2	79.3	83.5	85.4	82.8	80.8	79.9	80.0	81.7	79.3	76.2
14	75.1	75.8	79.1	83.3	85.3	82.8	80.8	79.9	79.9	81.6	78.8	76.0
15	74.9	75.4	79.2	83.6	85.7	83.0	80.9	79.8	80.0	81.8	78.9	75.8
16	75.5	76.3	79.8	84.5	86.5	83.4	81.1	80.1	80.6	82.5	79.8	76.5
17	76.7	77.6	80.8	85.3	87.4	83.8	81.6	80.6	81.3	83.5	81.1	77.8
18	78.0	79.1	81.9	86.1	88.3	84.3	82.0	81.1	81.9	84.4	82.3	79.1
19	79.4	80.4	82.7	86.8	88.9	84.7	82.6	81.7	82.5	85.3	83.4	80.4
20	80.4	81.6	83.4	87.3	89.4	85.0	83.0	82.2	82.9	85.8	84.2	81.5
21	81.1	82.5	83.6	87.6	89.8	85.2	83.2	82.4	83.2	86.2	84.9	82.2
22	81.4	83.0	83.9	87.8	90.0	85.3	83.2	82.6	83.3	86.5	85.3	82.5
23	81.5	83.1	84.0	88	0.0	85.2	83.2	82.5	83.4	86.5	85.5	82.6

TABLE XXXI.—*Excess of the Mean Hourly Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer over the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	3°6	3°4	2°4	2°3	2°4	1°3	1°1	1°3	1°7	2°5	3°5	3°6
1	2.8	2.7	1.8	1.8	1.8	1.0	0.9	0.9	1.3	1.7	2.4	2.8
2	1.6	1.5	0.9	0.9	1.0	0.6	0.4	0.4	0.6	0.9	1.4	1.9
3	0.9	0.8	0.3	0.4	0.3	0.2	0.2	0.1	0.2	0.4	0.8	1.0
4	0.4	0.4	0.0	0.0	- 0.1	0.0	0.1	- 0.1	- 0.2	0.1	0.4	0.4
5	0.1	- 0.1	- 0.2	- 0.3	- 0.4	- 0.2	- 0.2	- 0.2	- 0.4	- 0.2	- 0.1	- 0.1
6	- 0.5	- 0.5	- 0.4	- 0.5	- 0.7	- 0.3	- 0.3	- 0.3	- 0.6	- 0.5	- 0.6	- 0.6
7	- 0.8	- 0.9	- 0.7	- 0.8	- 0.8	- 0.4	- 0.3	- 0.4	- 0.7	- 0.8	- 0.9	- 1.0
8	- 1.1	- 1.1	- 0.9	- 1.1	- 1.0	- 0.6	- 0.5	- 0.5	- 0.8	- 1.0	- 1.3	- 1.3
9	- 1.4	- 1.4	- 1.0	- 1.2	- 1.2	- 0.7	- 0.6	- 0.7	- 0.9	- 1.3	- 1.5	- 1.6
10	- 1.6	- 1.8	- 1.2	- 1.4	- 1.5	- 0.8	- 0.8	- 0.7	- 1.0	- 1.5	- 1.8	- 1.9
11	- 1.9	- 2.1	- 1.5	- 1.6	- 1.8	- 0.9	- 0.9	- 0.9	- 1.2	- 1.7	- 2.0	- 2.2
12	- 2.3	- 2.4	- 1.7	- 1.8	- 2.0	- 1.0	- 1.0	- 1.0	- 1.3	- 1.9	- 2.3	- 2.5
13	- 2.7	- 2.8	- 2.1	- 2.0	- 2.1	- 1.1	- 1.0	- 1.1	- 1.4	- 2.1	- 2.7	- 2.8
14	- 3.0	- 3.2	- 2.3	- 2.2	- 2.2	- 1.2	- 1.0	- 1.1	- 1.6	- 2.3	- 3.1	- 3.0
15	- 3.2	- 3.6	- 2.2	- 1.9	- 1.8	- 1.0	- 0.9	- 1.2	- 1.4	- 2.0	- 3.0	- 3.2
16	- 2.6	- 2.8	- 1.6	- 1.0	- 1.0	- 0.6	- 0.7	- 0.9	- 0.8	- 1.3	- 2.2	- 2.5
17	- 1.4	- 1.5	- 0.6	- 0.2	- 0.1	- 0.2	- 0.2	- 0.4	- 0.1	- 0.3	- 0.8	- 1.2
18	- 0.1	0.1	0.5	0.6	0.8	0.3	0.1	0.1	0.4	0.5	0.4	0.1
19	1.3	1.4	1.3	1.3	1.4	0.7	0.8	0.7	1.0	1.4	1.4	1.3
20	2.3	2.5	2.0	1.8	1.9	1.0	1.1	1.2	1.5	2.0	2.3	2.4
21	3.0	3.5	2.3	2.1	2.3	1.2	1.3	1.4	1.8	2.4	2.9	3.2
22	3.3	3.9	2.5	2.4	2.5	1.3	1.4	1.5	1.9	2.6	3.3	3.5
23	3.4	4.1	2.6	2.5	2.5	1.3	1.3	1.5	2.0	2.7	3.5	3.6

TABLE XXXII.—*Showing, for the Year* 1863, *the Mean Temperature of Air confined within the Box of the Horizontal Force Magnetometer for each hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Horizontal Force.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	84°4	2°3	
1	5 „	83·8	1·7	
2	6 „	83·1	1·0	
3	7 „	82·5	0·4	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night..... 81°3
4	8 „	82·2	0·1	
5	9 „	81·8	− 0·3	
6	10 „	81·6	− 0·5	
7	11 „	81·3	− 0·8	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day..... 82·8
8	0 12 A.M.	81·1	− 1·0	
9	1 „	80·9	− 1·2	Mean Annual..... 82·1
10	2 „	80·7	− 1·4	
11	3 „	80·5	− 1·6	
12	4 „	80·3	− 1·8	
13	5 „	80·0	− 2·1	
14	6 „	79·9	− 2·2	
15	7 „	79·9	− 2·2	
16	8 „	80·6	− 1·5	TIMES OF MEAN MAXIMUM AND MINIMUM.
17	9 „	81·5	− 0·6	G. M. T. B. C. T.
18	10 „	82·4	0·3	
19	11 „	83·3	1·2	A Minimum between 14 & 15 or 6 & 7 A.M.
20	0 12 P.M.	83·9	1·8	A Maximum between 22 & 23 or 2 & 3 P.M.
21	1 „	84·3	2·1	
22	2 „	84·6	2·5	
23	3 „	84·6	2·5	

TABLE XXXIII.—*Showing, for the Year* 1863, *the hours of Göttingen Mean Time at which the Mean Temperature of Air confined within the Box of the Large Horizontal Force Magnetometer in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°7	74°9	6°8	Noon	15
February	83·1	75·4	7·7	23	15
March	84·0	79·1	4·9	23	14
April	88·0	83·3	4·7	23	14
May	90·0	85·3	4·7	23	14
June	85·3	82·8	2·5	22	14
July	83·2	80·8	2·4	22	14
August	82·6	79·8	2·8	22	15
September	83·4	79·9	3·5	23	14
October	86·5	81·6	4·9	22	14
November	85·5	78·8	6·7	23	14
December	82·6	75·8	6·8	Noon	15

TABLE XXXIV.—*Mean Temperature of Circumambient Air for each Day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	74°0	73°8		81°9	85°1	87°4	83°5		79°1	81°1	79°1	78°0
2	74.1	75.3	77°8			87.1	82.6	80°5	79.1	81.9	79.2	77.1
3		75.8	75.1	81.1	85.2	87.0	83.0	80.5	79.2		79.2	79.3
4	75.2	75.5	74.5		85.0	85.8		80.7	77.8	82.7	78.9	77.4
5	75.6	75.2		80.7	85.3	85.7	82.3	81.4		82.7	78.2	
6	74.2	75.4	78.7	81.1	85.4		80.8	81.1	74.9	82.9	78.4	77.2
7	73.9			82.8	86.8	81.3	80.1	80.9	76.8	82.9		76.3
8	76.7	75.8	80.5	81.3	86.4	81.8	78.6		79.6	82.7	79.0	75.5
9	76.1	73.7	80.0	81.5		81.0	78.6	79.3	78.8	82.3	77.7	75.4
10		73.0	77.9	83.2	85.0	81.5	81.4	79.5	78.6			76.1
11	76.5	75.9	75.0		85.6	81.9		78.0	80.0	82.2	78.9	76.9
12	75.6	75.3	74.2	82.8	85.4	80.9	78.7	77.8		82.0	76.7	
13	74.2	74.8	75.8	82.9	85.4		81.1	77.4	81.2	83.3	76·0	76.5
14	73.3			83.1	84.9	78.7	82.4	77.8	79.0	80.9		76.8
15	73.0		78.3	82.9	85.1	79.2	82.3		80.7	84.0	80.8	75.6
16	72.5	73.5	79.5	82.6		80.1	81.4	79.3	79.8	83.8	81.7	73.7
17		73.4	78.8	82.5	85.4	80.7	80.4	78.9	78.1		81.5	73.1
18	73.0	74.7	79.3		85.6	81.1		78.6	79.7	82.3	82.3	74.7
19	72.9	75.6	79.7	83.5	86.1	80.8	80.8	78.2		83.5	82.1	
20	74.4	79.0	79.3	84.3	86.8		81.7	79.2	80.3	84.9	81.6	76.5
21	73.7			86.4	86.8	82.5	81.5	79.4	79.6	80.3		74.8
22	66.4	78.3	79.1	85.7	87.1	81.8	80.0		80.6	81.5	79.6	74.1
23	69.2	77.7	79.9	85.9		82.3	77.8	79.4	80.5	81.1	78.2	75.1
24		78.4	82.4	84.5	87.2	82.8	77.5	80.0	80.7		76.4	76.0
25	75.3	78.9	81.8		87.1	82.7		80.4	81.8	81.3	75.1	
26	76.9	79.6	82.0	86.1	86.0	83.5	80.7			79.6	75.8	
27	78.1	79.1	83.6	86.4	86.7		81.3	79.7	80.4	76.7	76.3	75.4
28	77.7	79.7		86.5	86.7	83.2	79.8	79.7	79.9	77.3	76.5	74.0
29	76.7		81.5	85.4	86.8	83.7	79.5	80.1	80.6	78.4		72.6
30	74.9		80.4	85.4	86.8	84.0	79.5		80.8	79.2	79.3	72.4
31			79.8				80.7	78.8				

TABLE XXXV.—*Showing, for each Month, the Mean Temperature of Circumambient Air and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Temperature of Circumambient Air.	Difference from the Mean of the Year.	FOR SEASONS.	
January	74°4	− 5°3	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter.	77°5
February	76·1	− 3·6		
March	79·0	− 0·7		
April	83·7	4·0	Mean of { April, May, June, July, Aug., Sept. } or Summer.	82·0
May	86·0	6·3		
June.....	82·6	2·9	Mean of the Year ..	79·7
July	80·6	0·9		
August.....	79·5	− 0·2	Greatest Monthly Mean in May.....	86·0
September	79·6	− 0·1	Least Monthly Mean in January	74·4
October	81·5	1·8		
November	78.7	− 1·0	Difference....	11·6
December.....	75 6	− 4·1		

TABLE XXXVI.—*Mean Temperature of Circumambient Air in each Month for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	81°2	82°8	84°0	89°0	90°9	84°7	82°2	81°6	83°1	86°5	85°7	82°2
1	78.7	80.6	82.8	87.4	89.2	83.9	81.7	80.7	81.9	84.0	82.2	79.2
2	76.3	77.7	79.9	84.4	86.5	82.9	80.4	79.6	80.0	81.8	80.2	77.2
3	75.2	76.5	78.6	82.8	84.7	82.3	80.0	78.9	78.9	80.9	79.5	76.2
4	74.6	75.8	78.1	82.2	84.1	81.9	79.7	78.8	78.3	80.6	78.7	75.6
5	73.7	75.0	77.6	81.9	83.6	81.6	79.6	78·6	78.4	80.1	77.5	74.9
6	72.6	73.8	77.1	81.5	83.3	81.4	79.7	78·4	78.0	79.5	76.5	73.5
7	71.9	72.8	76.5	81.1	83.0	81.3	79.5	78.3	77.9	79.1	76.0	72.7
8	71.3	72.5	76.0	80.7	82.8	80.9	79.4	78.1	77.6	78.8	75.2	72.3
9	71.0	72.0	75.7	80.2	82.5	80.5	79.2	78·0	77.3	78.5	74.9	71·7
10	70·5	71.5	75.3	79.9	82.3	80.4	79.9	77·8	77.0	78.3	74·5	71.5
11	70.1	71.1	74.8	79.5	82.0	80.4	78.7	77·8	76.9	77.8	74.2	71.0
12	69.6	70.7	74.4	79.0	81.8	80.3	78.7	77.7	76.8	77.7	73.7	70.7
13	69.0	70.2	74.1	78.7	81.5	80.3	78.6	77.7	76.8	77.4	73.3	70.4
14	68.7	69.6	74.1	78.8	81.9	80.6	78.6	77.6	76.8	77.3	73.3	70.2
15	68.7	69.9	75.2	81.0	84.4	81.7	79.3	77.7	77.6	78.7	74·0	70.6
16	70·9	72.1	77.7	83.4	86.1	82.7	80.0	78.7	79.3	80.7	76.3	72.8
17	73.2	75.4	79.7	85.3	87.7	83.7	81.2	79.9	80.5	82.3	78·4	75.1
18	75.3	78.2	81.7	86·9	89.1	84.7	81.9	80·7	81.3	83.5	80.3	77.0
19	77.7	81.1	83.3	88.1	90.0	85.3	82.9	81·9	82.4	84.8	82·4	79.1
20	80.4	84.1	84.3	88.9	91.1	85.2	83.5	82·5	83.0	85.9	84.7	81.6
21	81.7	84.9	85.0	89.5	91.7	85.6	83.7	83.0	83.6	87.2	86.0	83.0
22	81.9	84.7	85.2	89.7	91.9	85.7	83.3	82.6	83.3	87.5	86.5	83.3
23	81.7	84.3	84.9	89.2	91.7	85.1	83.1	82.1	83.9	87.4	86.1	82.9

TABLE XXXVII.—*Excess of the Mean Hourly Temperature of Circumambient Air above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	6°8	6°6	5°0	5°3	4°9	2°0	1°6	2°1	3°5	5°0	6°9	6°6
1	4.3	4.5	3.8	3.7	3.2	1.3	1.1	1.1	2.3	2.4	3.5	3.6
2	1.9	1.5	0.9	0.7	0.5	0.3	0.2	0.1	0.4	0.3	1.4	1.6
3	0.8	0.3	- 0.4	- 0.9	- 1.3	0.3	- 0.6	- 0.7	- 0.6	- 0.6	0.7	0.6
4	0.2	- 0.3	- 0.9	- 1.5	- 1.9	- 0.7	- 0.9	- 0.8	- 1.2	- 0.9	- 0·0	- 0.1
5	- 0.7	- 1.2	- 1.4	- 1.8	- 2.4	- 1.0	- 1.0	- 1.0	- 1.2	- 1.4	- 1.2	- 0.7
6	- 1.8	- 2.4	- 1.9	- 2.2	- 2.7	- 1.2	- 0.9	- 1.2	- 1.6	- 2.1	- 2.2	- 2.1
7	- 2.5	- 3·4	- 2.5	- 2.6	- 3.0	- 1.4	- 1.1	- 1·2	- 1.7	- 2.5	- 2.8	- 2·9
8	- 3.1	- 3.7	- 3.0	- 3.0	- 3.2	- 1.7	- 1.2	- 1.4	- 2.0	- 2.8	- 3.6	- 3.3
9	- 3.4	- 4.1	- 3.3	- 3.5	- 3.5	- 2.1	- 1.3	- 1·5	- 2.3	- 3.0	- 3.8	- 3.9
10	- 3.9	- 4.6	- 3·7	- 3.8	- 3.7	- 2.2	- 1.7	- 1.7	- 2.6	- 3.2	- 4.3	- 4.1
11	- 4.3	- 5.0	- 4.2	- 4.2	- 4.0	- 2.3	- 1.9	- 1.7	- 2.7	- 3.7	- 4.6	- 4.6
12	- 4.7	- 5.4	- 4.6	- 4.7	- 4.1	- 2.3	- 1.9	- 1·8	- 2.8	- 3.8	- 5.0	- 4.9
13	- 5.4	- 5.9	- 4.9	- 5.0	- 4.5	- 2.3	- 2.0	- 1.8	- 2.8	- 4.1	- 5.5	- 5.2
14	- 5.7	- 6.5	- 4.9	- 4.9	- 4.1	- 2.0	- 1.9	- 1.9	- 2.8	- 4.2	- 5.4	- 5.4
15	- 5.7	- 6.2	- 3.8	- 2.7	- 1.6	- 0.9	- 1·3	- 1·8	- 2.0	- 2.8	- 4.7	- 5.0
16	- 3.5	- 4.0	- 1.3	- 0.3	0.1	0.1	- 0.6	- 0.8	- 0.3	- 0.8	- 2.5	- 2.8
17	- 1.2	- 0.7	0.7	1.6	1.7	1.1	0.6	0.3	0.8	0.8	- 0.4	- 0.5
18	0.9	2.0	2.7	3.2	3.1	2.1	1.3	1.2	1·7	1.9	1.5	1.4
19	3.3	5.0	4.3	4.4	4.0	2.6	2.3	2.3	2.8	3.3	3.7	3.5
20	6.0	7.9	5.3	5.2	5.1	2.6	2.9	3.0	3.3	4.4	5.9	6.0
21	7.3	8.7	6.0	5.8	5.7	3.0	3.1	3.4	4.0	5.7	7.3	7.3
22	7.5	8.5	6.2	6.0	5.9	3.1	2.7	3.1	3.7	6.0	7.8	7.7
23	7.3	8.1	5.9	5.5	5.7	2.5	2.6	2.6	4.3	5.9	7.4	7.2

TABLE XXXVIII.—*Showing, for the Year* 1863, *the Mean Temperature of Circumambient Air for each hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Circumambient Air.	Difference from the Mean of the whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	84°5	4°8	
1	5 „	82·7	3·0	
2	6 „	80·6	0·9	
3	7 „	79·5	− 0·2	
4	8 „	79·0	− 0·7	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night.... 77°6
5	9 „	78·5	− 1·2	
6	10 „	77·9	− 1·8	
7	11 „	77·5	− 2·2	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day..... 81·9
8	0 12 A.M.	77·1	− 2·6	
9	1 „	76·6	− 3·1	
10	2 „	76·5	− 3·2	Mean ..... 79·7
11	3 „	76·2	− 3·5	
12	4 „	75·9	− 3·8	
13	5 „	75·7	− 4·0	
14	6 „	75·6	− 4·1	
15	7 „	76·6	− 3·1	TIMES OF MEAN MAXIMUM AND MINIMUM.
16	8 „	77·6	− 2·1	
17	9 „	80·2	0·5	G. M. T. B. C. T.
18	10 „	81·7	2·0	A Minimum at 14 or 6 A.M.
19	11 „	83·3	3·6	A Maximum between 21 & 22, or 1 & 2 P.M.
20	0 12 P.M.	84·6	4·9	
21	1 „	85·5	5·8	
22	2 „	85·5	5·8	
23	3 „	85·2	5·5	

TABLE XXXIX.—*Showing, for the Year* 1863, *the hours of Göttingen Mean Time at which the Mean Temperature of Circumambient Air in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of Circumambient Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Circumambient Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°9	68°7	13·2	22	14 & 15
February.....	84·9	69·6	15·3	21	14
March	85·2	74·1	11·1	22	13 & 14
April	89·7	78·7	11·0	22	13
May.....	91·9	81·5	10·4	22	13
June.....	85·7	80·3	5·4	22	12 & 13
July.....	83·7	78·6	5·1	21	13 & 14
August.....	83·0	77·6	5·4	21	14
September	83·9	76·8	7·1	23	12, 13 & 14
October	87·5	77·3	10·2	22	14
November	86·5	73·3	13·2	22	13 & 14
December	83·3	70·2	13·1	22	14

TABLE XL.—*Mean Value of Vertical Intensity corrected for Instrumental Errors for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
1	2.8146	2.8388		2.8209	2.8173	2.8109	2.7940	2.8119	2.8028	2.7926	2.8060	0.7971
2	.8156	.8371	2.8277			.8097	.7972	.8095	.8044	.7941	.8054	.7994
3		.8358	.8344	.8192	.8188	.8090	.8009	.8070	.8083		.8016	.7995
4	.8175	.8360	.8298		.8212	.8102		.8060	.8112	.7909	.8011	.8031
5	.8168	.8339		.8217	.8208	.8129	.8029	.8077		.7911	.8003	
6	.8199	.8337	.8267	.8215	.8205		.8044	.8056	.8190	.7914	.8017	.8037
7	.8182			.8196	.8197	.8170	.8073		.8225	.7923*		.8043
8	.8217	.8350	.8265	.8195	.8200	.8199	.8067	.8083	.8213	.7916*	.7924	.8068
9	.8218	.8381	.8262	.8198*		.8200	.8075	.8046	.7975*	.7917	.7960	.8105
10		.8356	.8276	.8152	.8204	.8219	.8074	.8030	.7665*			.8157
11	.8281	.8335	.8318		.8193	.8223		.8070	.7681	.7925	.7869	.8130
12	.8252	.8301	.8339	.8140	.8187	.8213	.8056	.8064		.7947	.7932	
13	.8216	.8298	.8311	.8134	.8206		.8044	.8057*	.7715	.7951	.8010	.8103
14	.8247			.8142	.8206	.8199	.8052		.7709	.7954		.8118
15	.8274		.8257	.8150	.8201	.8167	.8003*	.7905	.7802	.7950	.7997	.8160
16	.8284	.8343	.8212	.8187		.8186	.8022*	.7934	.7857	.7939	.7964	.8165
17		.8345	.8218	.8191	.8210	.8168	.8042	.7948	.7789		.7948	.8232
18	.8287	.8354	.8210		.8198	.8132		.7982		.7954	.7884	.8186
19	.8321	.8330	.8188	.8211	.8188	.8195	.8058	.7956	.7793	.7956	.7853	
20	.8323	.8293	.8161	.8240	.8170		.8075	.7938	.7803	.7956	.7841	.8159
21	.8328			.8232	.8184	.8161	.8082		.7831	.7980		.8205
22	.8469	.8281	.8165	.8228	.8178	.8172	.8101	.7978	.7844	.7997	.7792	.8278
23	.8459	.8278	.8173	.8233		.8181	.8129	.7974	.7824	.8009	.7852	.8302
24		.8276	.8170	.8242	.8172	.8165	.8155	.7964	.7837		.7893	.8316
25	.8376	.8383	.8164		.8161	.8156				.7974	.7947	
26	.8322	.8684	.8157	.8217	.8160	.8151	.8127	.8004	.7872	.7976	.7954	
27	.8279	.8698	.8143	.8194	.8152		.8139	.8043	.7909	.7973	.7958	.8339
28	.8290	.8685		.8174	.8135	.8192	.8156	.8010	.7918	.7962	.7961	.8386
29	.8314		.8187	.8173	.8128	.8130	.8156		.7931	.7959		.8434
30	.8344		.8214	.8182	.8118	.7974	.8144	.8005		.7957	.7985	.8489
31			.8246				.8143					

* This sign denotes an abnormal or Magnetic Disturbance day.

TABLE XLI.—*Showing, for each Month, the Mean Value of Vertical Intensity corrected for Instrumental Errors and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Vertical Intensity.	Difference from the Mean of the Year.	FOR SEASONS.	
	En. Un.	En. Un.		En. Un.
January	2·8275	0·0153	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter ..	2·8157
February.....	·8297	·0175		
March	·8232	·0110	Mean of { April, May, June, July, Aug., Sept. } or Summer ..	2·8087
April	·8194	·0072		
May	·8182	·0060	Mean of the year.....	2·8122
June.....	·8145	·0023		
July	·8077	− ·0045	Greatest Monthly Mean in February....	2·8297
August.....	·8019	− ·0103	Least Monthly Mean in September	2·7908
September	·7908	− ·0214		
October	·7952	− ·0170	Difference....	0.0389
November	·8014	− ·0108		
December	·8176	·0054		

TABLE XLII.—*Mean Value of Vertical Intensity corrected for Instrumental Errors in each Month, for each hour of Göttingen Mean Solar Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	2.8206	2.8237	2.8197	2.8186	2.8164	2.8140	2.8086	2.8014	2.7907	2.7948	2.7992	2.8131
1	.8207	.8240	.8197	.8176	.8166	.8140	.8084	.8014	.7901	.7942	.8033	.8144
2	.8214	.8252	.8204	.8172	.8166	.8139	.8074	.8010	.7899	.7943	.8021	.8157
3	.8253	.8265	.8227	.8182	.8170	.8138	.8072	.8011	.7900	.7945	.8030	.8165
4	.8269	.8278	.8233	.8192	.8178	.8140	.8075	.8015	.7902	.7947	.8033	.8168
5	.8274	.8294	.8234	.8199	.8192	.8147	.8078	.8021	.7903	.7952	.8036	.8169
6	.8279	.8301	.8236	.8200	.8200	.8151	.8083	.8024	.7902	.7947	.8038	.8171
7	.8283	.8313	.8239	.8208	.8206	.8154	.8084	.8026	.7907	.7949	.8039	.8180
8	.8288	.8323	.8251	.8209	.8208	.8156	.8093	.8030	.7908	.7955	.8040	.8181
9	.8292	.8327	.8250	.8210	.8212	.8168	.8093	.8034	.7909	.7952	.8041	.8188
10	.8296	.8328	.8251	.8211	.8214	.8162	.8093	.8036	.7909	.7951	.8042	.8193
11	.8303	.8329	.8253	.8223	.8215	.8164	.8093	.8038	.7912	.7954	.8043	.8199
12	.8311	.8331	.8257	.8219	.8217	.8168	.8093	.8040	.7913	.7954	.8041	.8204
13	.8321	.8336	.8261	.8220	.8225	.8169	.8098	.8042	.7916	.7959	.8040	.8207
14	.8322	.8342	.8271	.8239	.8237	.8179	.8108	.8044	.7919	.7962	.8039	.8215
15	.8330	.8351	.8277	.8238	.8237	.8178	.8100	.8051	.7921	.7961	.8042	.8224
16	.8344	.8357	.8273	.8221	.8229	.8168	.8084	.8046	.7922	.7960	.8044	.8231
17	.8335	.8344	.8260	.8200	.8162	.8140	.8075	.8024	.7920	.7955	.8023	.8217
18	.8304	.8312	.8241	.8170	.8127	.8119	.8057	.8011	.7915	.7956	.7991	.8192
19	.8269	.8281	.8202	.8146	.8119	.8096	.8038	.8001	.7912	.7950	.7968	.8160
20	.8249	.8260	.8192	.8142	.8114	.8094	.8033	.7993	.7904	.7949	.7953	.8143
21	.8238	.8256	.8195	.8155	.8124	.8109	.8039	.7982	.7899	.7950	.7953	.8137
22	.8226	.8247	.8204	.8171	.8139	.8123	.8044	.7981	.7900	.7952	.7944	.8129
23	.8212	.8241	.8199	.8176	.8154	.8137	.8050	.7980	.7901	.7949	.7922	.8120

TABLE XLIII.—*Excess of the Hourly Mean Values of Vertical Intensity corrected for Instrumental Errors above the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.
Noon.	-0.0069	-0.0060	-0.0035	-0.0008	-0.0018	-0.0057	-0.0009	-0.0005	-0.0001	-0.0004	-0.0022	-0.0045
1	- .0068	- .0057	- .0035	- .0018	- .0016	- .0005	- .0007	- .0005	- .0007	- .0010	.0019	- .0032
2	- .0061	- .0045	- .0028	- .0022	- .0016	- .0006	- .0003	- .0009	- .0009	- .0009	.0007	- .0019
3	- .0022	- .0037	- .0005	- .0012	- .0012	- .0007	- .0005	- .0008	- .0008	- .0007	.0016	- .0011
4	- .0006	- .0019	.0001	- .0002	- .0004	- .0005	- .0002	- .0004	- .0006	- .0005	.0019	- .0008
5	- .0001	- .0003	.0002	.0005	.0010	.0002	.0001	.0002	- .0005	.0000	.0022	- .0007
6	.0004	.0004	.0004	.0006	.0018	.0006	.0006	.0005	- .0006	- .0005	.0024	- .0005
7	.0008	.0016	.0007	.0014	.0024	.0009	.0007	.0007	- .0001	- .0003	.0025	.0004
8	.0013	.0026	.0019	.0015	.0026	.0011	.0016	.0011	.0000	.0003	.0026	.0005
9	.0017	.0030	.0018	.0016	.0030	.0023	.0016	.0015	.0001	.0000	.0027	.0012
10	.0021	.0031	.0019	.0019	.0032	.0017	.0016	.0017	.0001	.0001	.0028	.0017
11	.0028	.0032	.0021	.0029	.0033	.0019	.0016	.0019	.0004	.0002	.0019	.0023
12	.0036	.0034	.0025	.0025	.0035	.0023	.0016	.0021	.0005	.0002	.0027	.0028
13	.0046	.0039	.0029	.0026	.0043	.0024	.0021	.0023	.0008	.0007	.0026	.0031
14	.0047	.0045	.0039	.0045	.0055	.0034	.0031	.0025	.0011	.0010	.0025	.0039
15	.0055	.0054	.0045	.0044	.0055	.0033	.0023	.0032	.0013	.0009	.0028	.0048
16	.0069	.0060	.0041	.0027	.0047	.0023	.0007	.0027	.0014	.0008	.0030	.0055
17	.0060	.0047	.0028	.0006	- .0020	- .0005	- .0002	.0005	.0012	.0003	.0009	.0041
18	.0029	.0015	.0009	- .0024	- .0055	- .0026	- .0026	- .0008	.0007	.0004	- .0023	.0016
19	- .0006	- .0016	- .0030	- .0048	- .0063	- .0049	- .0039	- .0018	- .0004	- .0002	- .0046	- .0016
20	- .0026	- .0037	- .0040	- .0052	- .0068	- .0051	- .0044	- .0026	- .0004	- .0003	- .0061	- .0033
21	- .0037	- .0041	- .0037	- .0039	- .0058	- .0036	- .0038	- .0037	- .0009	- .0002	- .0061	- .0039
22	- .0049	- .0050	- .0028	- .0023	- .0043	- .0022	- .0033	- .0038	- .0008	.0000	- .0070	- .0047
23	- .0063	- .0056	- .0033	- .0018	- .0028	- .0008	- .0027	- .0039	- .0007	- .0003	- .0092	- .0056

TABLE XLIV.—*Showing, for the Year* 1863, *the Mean Value of Vertical Intensity corrected for Instrumental Errors for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Vertical Intensity.	Difference from the Mean of the Whole.
	H. M.	En. Un.	En. Un.
Noon.	4 12 P.M.	2·8101	−0·0021
1	5 12 „	·8104	− ·0018
2	6 12 „	·8103	− ·0017
3	7 12 „	·8113	− ·0009
4	8 12 „	·8119	− ·0003
5	9 12 „	·8125	·0003
6	10 12 „	·8128	·0006
7	11 12 „	·8132	·0010
8	0 12 A.M.	·8129	.0007
9	1 12 „	·8140	·0018
10	2 12 „	·8141	·0019
11	3 12 „	·8144	·0022
12	4 12 „	·8146	·0024
13	5 12 „	·8150	·0028
14	6 12 „	·8156	·0034
15	7 12 „	·8159	·0037
16	8 12 „	.8157	·0035
17	9 12 „	·8138	·0016
18	10 12 „	·8116	− ·0006
19	11 12 „	·8095	− ·0027
20	0 12 P.M.	·8081	− ·0041
21	1 12 „	·8086	− .0036
22	2 12 „	·8088	− ·0034
23	3 12 „	·8087	− ·0035

FOR DAY AND NIGHT.

	En. Un.
Mean of {2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13,} or Night..	2·8131
Mean of {14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1.} or Day....	2·8114
Mean Annual.....	2·8122

TIMES OF MEAN MAXIMUM AND MINIMUM.

	G. M. T.	B. C. T.
A Maximum at	1 or	5 P.M.
A Minimum at	2 or	6 „
A Maximum at	7 or	11 „
A Minimum at	8 or	Midnight.
A Maximum at	15 or	7 A.M.
A Minimum at	20 or	Noon.

TABLE XLV.—*Showing, for the Year* 1863, *the hours of Göttingen Mean Solar Time about which the Mean Value of Vertical Intensity corrected for Instrumental Errors in each Month, was at its Maximum and Minimum.*

Months, 1863.	Mean Value of Vertical Intensity.				Mean Diurnal Range.	The Time at which the Mean Value of Vertical Intensity was at its			
	First Maximum.	First Minimum.	Second Maximum.	Second Minimum.		First Maximum.	First Minimum.	Second Maximum.	Second Minimum.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	H.	H.	H.	H.
January			2·8344	2·8206	0·0138			16	24
February			·8357	·8237	·0120			16	24
March.....	2·8204	·8197	·8277	·8192	·0085	22	{0 / 1}	15	20
April..	·8186	·8172	·8239	·8142	·0097	0	2	14	20
May			·8237	·8114	·0123			15	20
June	·8140	·8138	·8179	·8094	·0085	{0 / 1}	3	14	20
July	·8086	·8072	·8108	·8033	·0075	0	3	14	20
August	·8014	·7980	·8051	·7980	·0071	0	2	15	23
September	·7907	·7899	·7922	·7899	·0023	0	2	16	21
October	·7952	·7942	·7962	·7949	·0020	22	1	14	20
November	·8033	·8021	·8044	·7922	·0122	1		16	23
December			·8231	·8120	·0111			16	23

TABLE XLVI.—*Daily Range of Vertical Intensity calculated from the Scale Readings of Vertical Force Magnetometer for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En. Un.	En Un.	En. Un.
1	0.0155	0.0136	0.0138	0.0108	0.0118	0.0150	0.0072	0.0046	0.0048	0.0025	0.0156	0.0149
2	.0187	.0132	.0155			.0132	.0088	.0090	.0039	.0022	.0196	.0161
3		.0143	.0128	.0079	.0155	.0155	.0061	.0061	.0025		.0191	.0154
4	.0175	.0127			.0141	.0093		.0086	.0025	.0053	.0214	.0110
5	.0152	.0123	.0134	.0108	.0121	.0080	.0080	.0096		.0035	.0155	
6	.0148	.0105		.0069	.0177		.0045	.0108	.0030	.0032	.0134	.0115
7	.0164		.0140	.0102	.0163	.0106	.0064		.0048	.0034		.0086
8	.0141	.0150	.0084	.0091	.0138	.0087	.0128	.0108	.0091	.0037	.0161	.0086
9	.0153	.0140	.0083	.0106		.0079	.0093	.0092	.0637	.0047	.0134	.0097
10		.0179	.0145	.0155	.0105	.0102	.0077	.0058	.0096			.0117
11	.0281	.0221	.0133		.0133	.0087		.0048	.0138	.0050	.0159	.0147
12	.0229	.0130	.0124	.0116	.0154	.0090	.0104	.0045		.0039	.0154	
13	.0106	.0136		.0129	.0105		.0083	.0114	.0126	.0033	.0147	.0091
14	.0196		.0081	.0119	.0134	.0100	.0181		.0066	.0029		.0096
15	.0159		.0126	.0116	.0148	.0091	.0078	.0137	.0100	.0029	.0164	.0139
16	.0226	.0158	.0094	.0121		.0067	.0082	.0110	.0050	.0035	.0134	.0132
17		.0162	.0143	.0153	.0171	.0069	.0080	.0100	.0044		.0122	.0179
18	.0198	.0216	.0098		.0157	.0139		.0112	.0043	.0040	.0179	.0160
19	.0181	.0182	.0150	.0143	.0185	.0114	.0121	.0114		.0043	.0134	
20	.0126	.0231		.0135	.0162		.0098	.0120	.0037	.0041	.0139	.0095
21	.0190		.0202	.0133	.0130	.0110	.0051		.0023	.0069		.0126
22	.0162	.0155	.0095	.0121	.0156	.0075	.0095	.0094	.0031	.0021	.0089	.0180
23	.0179	.0142	.0081	.0128		.0084	.0076	.0102	.0043	.0033	.0130	.0147
24		.0133	.0078	.0127	.0138	.0123	.0059	.0091	.0067		.0115	.0124
25	.0133	.0252	.0058		.0144	.0095			.0021	.0024	.0136	
26	.0188	.0141	.0118	.0108	.0126	.0085	.0079	.0103		.0032	.0141	
27	.0175	.0117		.0130	.0130		.0077	.0088	.0018	.0028	.0166	.0138
28	.0178	.0100	.0085	.0087	.0120	.0058	.0062	.0069	.0014	.0032	.0113	.0107
29	.0151		.0150	.0082	.0119	.0087	.0117		.0024	.0024		.0150
30	.0134		.0062	.0097	.0106	.0218	.0071	.0042	.0032	.0025	.0164	.0136
31							.0101					

TABLE XLVII.—*Showing, for the Year* 1863, *the Hours of Göttingen Mean Time at which the Value of Vertical Intensity corrected for Instrumental Errors in simple Hourly Observations in each Month was Greatest and Least.*

Months, 1863.	Vertical Intensity.		Extreme Range.	The Time at which the Vertical Intensity was			
	Greatest.	Least.		Greatest.		Least.	
	En. Un.	En. Un.	En. Un	D.	H.	D.	H.
January	2·8544	2·8083	0·0461	22	17	1	Noon.
February	·8758	·8212	·0546	27	14	24	22
March	·8403	·8084	·0319	3	17	27	20
April	·8303	·8069	·0234	24	14	13	19
May.....	·8276	·8067	·0209	4	15	30	19
June.....	·8272	·7882	·0390	11	15	30	20
July.....	·8177	·7909	·0268	28	14	1	3
August.....	·8141	·7867	·0274	2	14	16	21
September	·8235	·7611	·0624	7	Noon.	10	23
October	·8022	·7885	·0137	23	17	4	20
November	·8102	·7735	·0367	1	10	22	23
December.....	·8555	·7880	·0675	30	14	1	22

TABLE XLVIII.—*Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer for each day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	78°3	77°5		84°1	87°7	89°5	85°0		81°5	83°5	82°4	80°8
2	78.0	78.3	80°8			89.3	84.6	81°9	81.8	84.2	82.4	80.1
3		79.0	78.2	84.0	87.6	88.8	84.6	81.8	81.5		82.5	81.1
4	78.5	78.4	77.3		87.3	88.4		82.2	80.8	85.1	82.7	80.3
5	78.8	77.9		83.6	87.4	87.4	83.9	82.5		85.2	82.6	
6	77.7	78.0	81.2	83.4	87.7		83.4	82.8	78.1	85.4	81.6	80.9
7	76.9			84.3	88.2	83.9	82.3	82.6	78.4			79.9
8	79.1	78.3	82.9	83.7	88.4	83.3	81.0		80.7		81.8	79.2
9	79.1	77.2	83.1	86.1		83.5	80.8	81.7	80.9	85.3	81.4	78.1
10		76.4	81.5	85.5	88.0	83.0	82.4	81.2	80.3			78.9
11	79.7	77.8	78.8		87.7	83.3		80.5	81.6	85.5	81.8	79.9
12	79.9	78.9	77.5	85.5	87.4	83.1	80.9	79.5		84.9	80.4	
13	78.3	78.5	78.4	85.3	87.3		82.0	79.4	82.7	85.5	79.8	80.4
14	77.3			85.6	87.0	81.5	83.2	79.2	81.4	84.6		79.9
15	77.2		80.2	85.6	87.2	81.2	83.3		82.3	86.1	82.5	79.1
16	76.5	77.1	81.4	85.3		81.5	82.9	80.9	82.3	86.6	84.2	77.7
17		77.1	81.6	85.1	87.1	82.4	82.5	80.7	80.7		84.3	76.8
18	77.0	77.1	82.1		87.3	82.4		80.4	81.9	85.3	85.0	77.8
19	76.8	77.3	82.2	86.4	87.9	82.8	82.3	80.0		85.2	85.0	
20	77.5	79.5	82.5	86.8	88.5		82.9	80.6	82.3	86.8	84.9	79.8
21	77.4			88.2	88.4	83.6	82.9	81.1	82.2	84.7		78.2
22	71.5	80.6	82.4	88.3	88.4	83.4	82.3		82.8	84.5	84.0	77.4
23	72.0	80.4	82.6	88.0		83.4	80.2	80.8	82.9	83.6	83.0	78.0
24		81.0	83.7	87.2	89.1	83.8	79.6	81.3	82.8		80.3	79.0
25	77.3	81.2	84.2		89.1	84.1		81.8	83.4	84.2	78.6	
26	79.1	81.9	84.6	88.1	88.7	84.4	81.5			82.6	78.9	
27	80.4	82.2	85.5	88.5	88.8		82.2	81.8	83.4	80.2	79.9	79.3
28	80.3	82.6		88.3	89.2	84.7	81.8	81.5	83.3	80.0	80.5	77.6
29	80.4		84.5	88.1	89.3	84.6	80.9	82.1	83.3	80.8		76.9
30	78.9		83.2	87.8	89.3	85.2	81.3		83.7	81.8	81.6	76.1
31			82.6				81.6	81.4				

TABLE XLIX.—*Showing, for each Month, the Mean Temperature of Air confined within the Box of the Vertical Force Magnetometer and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Temperature of Vertical Force.	Difference from the Mean of the Year.	FOR SEASONS.	
January	77°8	− 4°5	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter.	80°6
February	78·9	− 3·4		
March	81·7	− 0·6		
April	86·1	3·8	Mean of { April, May, June, / July, Aug., Sept. } or Summer.	84·0
May	88·1	5·8		
June.....	84·3	2·0	Mean of the Year ..	82·3
July.....	82·3	0 0		
August.....	81·3	− 1·0	Greatest Monthly Mean in May.....	88·1
September	81·9	− 0·4	Least Monthly Mean in January	77·8
October	84·2	1·9		
November	82·1	− ·02	Difference....	10·3
December.....	78·9	− 3·4		

TABLE L.—*Mean Temperature of Air confined within the box of the Vertical Force Magnetometer in each Month for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	80°8	81°9	84°2	88°4	90°4	85°6	83°4	82°5	83°5	86°9	85°1	82°0
1	80.5	81.6	83.9	88.3	90.1	85.4	83.3	82.5	83.4	86.4	84.7	81.7
2	79.7	81.0	83.3	87.7	89.7	85.2	83.0	82.1	83.0	85.6	84.0	81.0
3	79.2	80.5	82.7	87.0	89.2	84.9	82.7	81.9	82.5	85.0	83.5	80.4
4	78.8	80.1	82.3	86.6	88.7	84.6	82.5	81.7	82.2	84.7	83.2	79.9
5	78.3	79.5	82.1	86.3	88.1	84.5	82.3	81.4	82.0	84.4	82.6	79.6
6	78.0	79.1	81.8	86.0	87.8	84.4	82.3	81·1	81.8	84.1	82.2	79.2
7	77.7	78.8	81.6	85 8	87.6	84.2	82.1	81.1	81.6	83.8	81.8	78.9
8	77.4	78.4	81.4	85.5	87.4	84.1	82.0	80.9	81.6	83.6	81.2	78.6
9	77.2	78.0	80.9	85.3	87.1	83.8	81.9	80·8	81.3	83.5	81.9	78.1
10	76·9	77.8	80.7	85.1	86.9	83.6	81.8	80.7	81.1	83.2	80.	77.8
11	76.6	77.5	80.5	85.0	86.7	83.5	81.7	80·6	80.9	83.0	80.6	77·5
12	76.3	77.3	80.2	84.9	86.5	83.4	81.5	80.5	80.8	82.8	80.4	77·3
13	76·0	76.9	80.0	84.4	86.3	83.3	81.4	80.4	80.7	82.5	80.1	76·9
14	75.7	76.6	79.8	84.2	86.1	83.2	81.3	80.1	80.6	82.3	79.8	76·7
15	75.4	76.2	79.7	84.2	86.4	83.3	81.3	80.3	80.5	82.2	79.6	76·4
16	75.5	76.5	80.0	84.6	86.9	83.5	81.4	80.4	80.8	82.5	80.0	76·5
17	76.1	76.9	80.5	85.2	87.3	83.9	81.6	80.6	81.3	83.0	80.4	77·1
18	76.8	77.7	81.2	85.8	87.9	84.2	81.8	80.9	81.7	83.7	81.0	77·9
19	77.6	78.7	81.9	86.3	88.4	84.7	82.3	81.3	82.2	84.4	82.0	78·8
20	78.5	79.7	82.5	86.9	89.0	84.9	82.7	81.7	82.6	85.0	82.8	79·6
21	79.1	80.5	82.9	87.4	89.4	85.1	83.1	82.1	82.9	85.7	83.5	80.3
22	79.7	81.2	83.4	87.9	89.9	85.3	83.3	82.3	83.1	86.3	84.1	80.9
23	80.2	81.8	83.8	88.3	90.3	85.4	83.5	82.4	83.5	86.7	84.6	81.3

TABLE LI.—*Excess of the Mean Hourly Temperature of Vertical Force Magnetometer over the Monthly Mean.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	3°0	3°0	2°4	2°3	2°3	1°3	1°2	1°3	1°6	2°7	3°0	3°0
1	2.7	2.7	2.2	2.2	2.0	1.1	1.1	1.2	1.5	2.1	2.7	2.8
2	1.9	2.1	1.6	1.6	1.6	0.9	0.7	0.9	1.1	1.4	2.0	2.1
3	1.3	1.6	1.0	0.9	1.1	0.6	0.4	0.6	0.6	0.9	1.2	1.4
4	1.0	1.1	0.5	0.5	0.6	0.3	0.2	0.4	0.3	0.4	1.1	0.9
5	0.5	0.6	0.3	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.6	0.6
6	0.2	0.2	0.1	- 0.1	- 0.2	0.1	0.1	- 0.2	- 0.1	- 0.1	0.1	0.3
7	- 0.1	- 0·2	- 0.1	- 0.3	- 0.5	- 0.1	- 0.1	- 0.2	- 0.3	- 0.4	- 0.2	- 0·0
8	- 0.4	- 0.5	- 0.3	- 0.6	- 0.7	- 0.3	- 0.2	- 0.3	- 0.3	- 0.6	- 0.6	- 0.4
9	- 0.6	- 0.9	- 0.3	- 0.8	- 1.0	- 0.5	- 0.3	- 0.4	- 0.6	- 0.8	- 0.8	- 0.8
10	- 0.9	- 1.2	- 1·0	- 1.0	- 1.2	- 0.7	- 0.5	- 0.5	- 0.8	- 1.0	- 1.2	- 1.1
11	- 1.2	- 1.4	- 1.2	- 1.1	- 1.4	- 0.8	- 0.6	- 0.6	- 1.0	- 1.2	- 1.4	- 1.4
12	- 1.6	- 1.7	- 1.5	- 1.2	- 1.6	- 0.9	- 0.7	- 0.7	- 1.1	- 1.4	- 1.7	- 1.7
13	- 1.8	- 2.0	- 1.8	- 1.7	- 1.8	- 1.0	- 0.8	- 0.8	- 1.2	- 1.7	- 2.0	- 2.0
14	- 2.1	- 2.3	- 1.9	- 1.9	- 1.9	- 1.1	- 0.9	- 0.9	- 1.4	- 1.9	- 2.3	- 2.3
15	- 2.5	- 2.7	- 2.1	- 1.9	- 1.7	- 1.0	- 0.9	- 1.0	- 1.4	- 2.0	- 2.5	- 2.6
16	- 2.4	- 2.4	- 1.7	- 1.6	- 1.2	- 0.8	- 0.8	- 0.9	- 1.1	- 1.7	- 2.1	- 2.4
17	- 1.7	- 2.0	- 1.2	- 1.0	- 0.8	- 0.5	- 0.6	- 0.7	- 0.7	- 1.2	- 1.6	- 1.8
18	- 1.1	- 1.2	- 0.5	- 0.3	- 0.2	- 0.1	- 0.4	- 0.4	- 0·2	- 0.5	- 1.0	- 1.0
19	- 0.2	- 0.2	0.2	0.2	0.3	0.3	0.1	0.0	0.2	0.1	- 0.1	- 0.1
20	0.6	0.8	0.7	0.8	0.9	0.6	0.4	0.5	0.7	0.8	0.7	0.7
21	1.2	1.6	1.2	1.4	1.3	0.7	0.9	0.7	0.9	1.5	1.4	1.3
22	1.9	2.3	1.7	1.8	1.8	1.0	1.1	1.0	1.2	2.0	2.1	1.9
23	2.4	2.9	2.1	2.2	2.2	1.1	1.2	1.1	1.6	2.5	2.6	2.4

TABLE LII.—*Showing, for the Year* 1863, *the Mean Temperature of Vertical Force Magnetometer for each hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Temperature of Vertical Force.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	84°6	2°3	
1	5 „	84·3	2·0	
2	6 „	83·8	1·5	
3	7 „	83·3	1·0	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night..... 82°1
4	8 „	82·9	0·6	
5	9 „	82·6	0·3	
6	10 „	82·3	0·0	
7	11 „	82·1	− 0·2	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day..... 82·6
8	0 12 A.M.	81·9	− 0·4	
9	1 „	81·6	− 0·7	Mean..... 82·3
10	2 „	81·4	− 0·9	
11	3 „	81·2	− 1·1	
12	4 „	81·0	− 1·3	
13	5 „	80·7	− 1·6	
14	6 „	80·6	− 1·7	
15	7 „	80·5	− 1·8	
16	8 „	80·7	− 1·6	TIMES OF MEAN MAXIMUM AND MINIMUM.
17	9 „	81·2	− 1·1	
18	10 „	81·7	− 0·6	G. M. T. B. C. T.
19	11 „	82·4	0·1	
20	0 12 P.M.	83·0	0·7	A Maximum at Noon or 4 P.M.
21	1 „	83·5	1·2	A Minimum at 15 or 7 A.M.
22	2 „	83·9	1·6	
23	3 „	84·3	2·0	

TABLE LIII.—*Showing, for the Year* 1863, *the hours of Göttingen Mean Time at which the Mean Temperature of Vertical Force Magnetometer in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of Vertical Force.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Vertical Force was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	80°8	75°4	5°4	Noon	15
February.....	81·9	76·2	5·7	Noon	15
March	84·2	79·7	4·5	Noon	15
April	88·4	84·2	4·2	Noon	14 & 15
May.....	90·4	86·1	4·3	Noon	14
June.....	85·6	83·2	2·4	Noon	14
July.....	83·5	81·3	2·2	23	15
August.....	82·5	80·3	2·2	Noon	15
September	83·5	80·5	3·0	Noon	15
October	86·9	82·2	4·7	Noon	15
November	85·1	79·6	5·5	Noon	15
December.....	82·0	76·4	5·6	Noon	15

TABLE LIV.—*Mean Value of Calculated Dip corrected for Instrumental Errors for each day of Göttingen Mean Time.*

	MONTHS, 1863.											
Date, 1863.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	19°14′8	19°23′9		19°16′5	19°14′3	19°11′4	19°05′6		19°09′8	19°05′8	19°10′7	19°06′9
2	.15.0	.23.0	19°19′7			.10.6	.06.7	19°09′8	.10.2	.06.4	.10.4	.08.3
3		.22.4	.22.1	.15.9	.14.1	.10.3	.08.5	.09.6	.11.3		.09.1	.07.6
4	.15.5	.23.2	.21.2		.14.9	.11.5		.09.1	.12.7	.04.5	.09.3	.09.2
5	.15.5	.21.5		.16.8	.14.4	.11.9	.08.8	.09·0		.04.8	.09.8	
6	.16.8	.21.5	.19.6	.16.8	.14.2		.09.3	.10.4	.16.1	.04·4	.09.4	.09.6
7	.17.9			.16·2	.14.3	.14.4	.11.0	.10.1	.16.8	.06.4*		.10.3
8	.18.0	.22.6	.19.0	.16.4	.14.5	.15.3	.11.0		.17.3	.08.5*	.05.9	.10.8
9	.17.8	.24.0	.19.3	.16.5*		.16.2	.12.8	.10.4	.09.7*	.06.5	.06·0	.11.7
10		.22·7	.20.2	.14.1	.15.3	.17.8	.13.0	.08.9	18.57.9*			.13.8
11	.20.3	.22.0	.21.5		.14.9	.17.3		.08.6	.57.6	.06.9	.03.3	.12.3
12	.19.3	.20.3	.22.3	.14.1	.15.2	.16.4	.11.9	.10·0		.07.4	.04.2	
13	.17.9	.20.3	.20.9	.13.8	.16.5		.11.2	.10.5	.58.8	.07·7	.05.7	.13.2
14	.19.6			.13.6	.16.8	.16.6	.12.4	.12.8	.58.9	.07.5		.13.1
15	.19.8		.18.3	.15.6	.16.8	.15.2	.12.3		19.02.2	.07.4	.09.2	.14.4
16	.21.2	.21.6	.16.2	.16·7		.15.7	.13.6	.06.7	.04·0	.06.1	.06.9	.14.3
17		.21.6	.16.8	.16.9	.16.8	.14.8	.12·6	.06.3	.01.6		.05.6	.16.5
18	.20.8	.22.8	.16.0		.16.3	.15.1		.06.7	.01.6	.07.3	.02·4	.15.2
19	.21.8	.20.7	.15.0	.17.5	.15.4	.15.2	.12.1	.08.0		.06.9	.00·8	
20	.22.1	.19.0	.14.4	.18.4	.14.3		.12.5	.07 0	.01·6	.07·7	.00.5	.14.4
21	.22.1			.17.4	.14.7	.14.0	.12.5	.06.7	.01·7	.08.5		.16·1
22	.28.0	.20.2	.16.4	.16.9	.14.1	.15.3	.12.7		.02.5	.09.1	18.59.6	.18.9
23	.27.8	.20.0	.16.5	.17.0		.15.9	.13.5	.07.8	.04.9	.09.2	19.01.6	.19.5
24		.19.6	.16.3	.17.6	.14.2	.15.2	.14.4	.07.5	.03.9		.03.3	.19.8
25	.25.6	.19.1	.15.9		.13.1	.14.9		.07.7	.04.3	.07.2	.05.4	
26	.24.7	.20.0	.15.1	.16.3	.13.6	.14.8	.12·4			.07.6	.05.6	
27	.21.9	.19.6	.14.5	.15.3	.13.5		.12.4	.09.6	.04.6	.08.6	.03.8	.22.6
28	.21.9	.19.7		.13.5	.12.2	.13.9	.12.9	.11.9	.05.1	.07.5	.03.8	.24.2
29	.23.4		.16.3	.13.7	.12.1	.13.7	.12.3	.11.1	.05.6	.06.9	.07.0	.25.5
30	.23.7		.17.5	.14.9	.11.3	.07.4	.11.7	.09.9	.05.1	.06.5		.23.7
31			.18.4				.11.2	.09.9				

TABLE LV.—*Showing, for each Month, the Mean Value of Calculated Dip and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Value of Dip.	Difference from the Mean of the Year.	FOR SEASONS.
January	19°20′3	0°7′6	
February	·21·3	·8·1	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter.... 19°14′6
March	·17·9	·4·7	
April	·15·9	·2·7	Mean of { April, May, June, / July, Aug., Sept. } or Summer .. 19·11·8
May	·14·6	·1·4	
June	·14·2	·1·0	
July	·11·4	− ·1·8	Mean of the Year ..... 19·13·2
August	· 8·9	− ·4·3	
September	· 5·8	− ·7.4	Greatest Monthly Mean in February .... 19·17·9
October	· 6·5	− ·6·7	Least Monthly Mean in November..... 19·05·5
November	· 5·5	− ·7·7	
December	·15·3	·2·1	Difference..... 12·4

TABLE LVI.—*Mean Value of Calculated Dip corrected for Instrumental Errors in each Month for each hour of Göttingen Mean Time.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	19°17′7	19°18′7	19°16′9	19°15′6	19°13′9	19°14′1	19°12′0	19°08′8	19°5′8	19°6′5	19°4′3	19°13′5
1	.18.2	.19.2	.17.0	.15.4	.14.3	.14.4	.12.1	.09.2	.5.7	.6.6	.5.2	.14.3
2	.19.4	.19.9	.17.5	.15 7	.14.6	.14.5	.11.8	.09.3	.5.8	.6.8	.6.3	.15.2
3	.20.6	.20.7	.18.3	.16.2	.14.9	.14.5	.11.8	.09.4	.6.1	.7.2	.7.2	.15.6
4	.20.9	.21.3	.19.0	.16.7	.15.2	.14.6	.12.0	.09.6	.6.2	.7.2	.7.1	.16.7
5	.21.3	.22.1	.19.0	.16.8	.15.8	.15.0	.12.0	.09.7	.6.0	.7.1	.7.3	.16.7
6	.21.6	.22.2	.19.1	.17.1	.16.1	.15.1	.12.2	.09.8	.6.5	.7.0	.7.4	.16.8
7	.21.7	.22.6	.19.0	.17.3	.16.2	.15.2	.12.3	.09.7	.5.9	.6.9	.6.9	.16.1
8	.21.8	.23.0	.19.3	.17.3	.16.3	.15.2	.12.4	.09.9	.5.9	.6.9	.7.2	.16.3
9	.22.0	.23.0	.19.5	.17.2	.16.4	.15.4	.12.5	.09.9	.5.9	.6.9	.7.0	.16.3
10	.22.1	.23.0	.19.5	.17.3	.16.5	.15.4	.12.6	.09.9	.6.3	.7.0	.6.9	.16.5
11	.22.3	.23.1	.19.5	.17.4	.16.5	.15.4	.12.6	.90.9	.6.4	.7.0	.6.9	.16.6
12	.22.6	.23.2	.19.6	.17.6	.16.5	.15.5	.12.5	.10.0	.6.3	.7.1	.6.4	.16.8
13	.22.9	.23.4	.19.8	.17.7	.16.8	.15 7	.12.6	.10.0	.6.4	.7.1	.6.4	.16.8
14	.23.0	.23.6	.20.4	.18.3	.17.3	.15 8	.12.9	.10.1	.6.6	.7.3	.6.7	.17.1
15	.23.0	.23.8	.20.3	.17.9	.16.9	.15.5	.12.5	.10.1	.6.7	.7.1	.6.5	.17.3
16	.23.4	.23.4	.19.2	.16.2	.15.8	.14.7	.11.4	.09.6	.6.4	.6.5	.6.0	.17.2
17	.22.5	.22.1	.17.8	.15.1	.12.5	.13.2	.10.5	.09.3	.5.7	.6.3	.4.7	.16.1
18	.20.9	.20.5	.16.0	.13.2	.10.7	.12.1	.09.6	.07.4	.4.9	.5.4	.3.2	.14.7
19	.19.2	.18.8	.14 8	.12.3	.10.5	.10.8	.08.5	.06.7	.4.5	.4.7	.2.1	.13.3
20	.18.3	.18.0	.14.2	.12.2	.10.2	.10.9	.08.4	.06.4	.4.5	.4.5	.2.1	.12.7
21	.18·2	.18.2	.14.9	.13.1	.10.8	.11.7	.08.4	.06.3	.4.3	.5.2	.2.3	.12.7
22	.17.8	.18.3	.15.8	.14.2	.11.9	.12.3	.09.4	.06.8	.4.6	.5.7	.2.0	.12.7
23	.17.8	.18.5	.16.3	.15.1	.13.1	.13.6	.10.8	.09.3	.5.2	.6.1	.1.6	.12.6

TABLE LVII.—*Excess of the Mean Hourly Calculated Dip above the Monthly Mean Value.*

Göttingen Mean Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Noon.	−0°3′1	−0°2′6	−0°1′1	−0°0′3	−0°0′7	−0°0′1	0°0′6	−0°0′1	0°0′0	0°0′0	−0°1′2	−0°1′8
1	− .2.6	− .2.1	− .1.0	− .0.5	− .0.3	.0.2	.0.7	.0.3	− .0.1	− .0.1	.0.3	− .1.0
2	− .1.4	− .1.4	− .0.5	− .0.2	.0.0	.0.3	.0.4	.0.4	.0.0	− .0.3	.0.8	− .0.1
3	− .0.2	− .0.6	.0.3	.0.3	.0.3	.0·3	.0.4	.0.5	.0.3	.0.7	.1.7	.0.3
4	.0.1	.0.0	.1.0	.0.8	.0.6	.0.4	.0.6	.0.7	.0.4	.0.7	.1.6	.1.4
5	.0.5	.0.8	.1.0	.0.9	.1.2	.0.8	.0.6	.0.8	.0.2	.0.6	.1.8	.1.4
6	.0.8	.0.9	.1.1	.1.2	.1.5	.0.9	.0.8	.0.9	.0.7	.0.5	.1.9	.1.5
7	.0.9	.1.3	.1.0	.1.4	.1.6	.1.0	.0.9	.0.8	.0.1	.0.4	.1.4	.0.8
8	.1.0	.1.7	.1.3	.1.4	.1.7	.1.0	.1.0	.1.0	.0.1	.0.4	.1.7	.1.0
9	.1.2	.1.7	.1.5	.1.3	.1.8	.1.2	.1.1	.1·0	.0.1	.0.4	.1.5	.1.0
10	.1.3	.1.7	.1.5	.1.4	.1.9	.1.2	.1.2	.1.0	.0.5	.0.5	.1.4	.1.2
11	.1.5	.1.8	.1.5	.1.5	.1.9	.1.2	.1.2	.1.0	.0.6	.0.5	.1.4	.1.3
12	.1.3	.1.9	.1·6	.1.7	.1.9	.1.3	.1.1	.1.1	.0.5	.0.6	.0.9	.1.5
13	.2.1	− .2.1	.1.8	.1.8	.2.2	.1.5	.1.2	.1.1	.0.6	.0.6	.0.9	.1.5
14	.2.2	− .2.3	.2.2	.2.4	.2.7	.1.6	.1.5	.1.2	.0.8	.0.8	.1.2	.1.8
15	.2.2	− .2.5	.2.1	.2.0	.2.3	.1.3	.1.1	.1.2	.0.9	.0.6	.1.0	.2.0
16	.2.6	− .2.1	.1.2	.0.3	.1.2	.0.5	.0.0	.0.7	.0.6	.0.0	.0.5	.1.9
17	.1.7	− .0.8	− .0.2	− .0.8	− .2.1	− .1.0	− .0.9	.0.4	− .0.1	− .0.2	− .0.8	.0.8
18	.0.1	− .0.8	− .2.0	− .2.7	− .3.9	− .2.1	− .2.2	− .1.5	− .0.9	− .1.1	− .2.3	− .0.6
19	− .1.6	− .2.5	− .3.2	− .3.6	− .4.1	− .3.4	− .2.9	− .2.2	− .1.3	− .1.8	− .3.4	− .2.0
20	− .2.5	− .3.3	− .3.8	− .3.7	− .4.4	− .3.3	− .3.0	− .2.5	− .1.3	− .2.0	− .3.4	− .2.6
21	− .2.6	− .3.1	− .3.1	− .2.8	− .3.8	− .2.5	− .3.0	− .2.6	− .1.5	− .1.3	− .3.2	− .2.6
22	− .3.0	− .3.0	− .2.2	− .1.7	− .2.7	− .1.9	− .2.0	− .2.1	− .1.2	− .0.8	− .3.5	− .2.6
23	− .3.0	− .2.8	− .1.7	− .0.8	− .1.5	− .0.6	− .0.6	− .0.4	− .0.6	− .0.4	− .3.9	− .2.7

TABLE LVIII.—*Showing, for the Year* 1863, *the Mean Value of Calculated Dip for each hour of Göttingen Mean Time, and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Dip.	Difference from the Mean of the whole.	FOR DAY AND NIGHT.
	H. M.			
Noon.	4 12 P.M.	19°12′3	−0°0′9	
1	5 ,,	·12·6	− ·0·6	
2	6 ,,	·13·9	·0·7	
3	7 ,,	·13·5	·0·3	
4	8 ,,	·13·9	·0·7	Mean of { 2, 3, 4, 5, 6, 7, / 8, 9, 10, 11, 12, 13, } or Night .. 19·14·2
5	9 ,,	·14·1	·0·9	
6	10 ,,	·14·2	·1·0	
7	11 ,,	·14·1	·0·9	Mean of { 14, 15, 16, 17, 18, 19, / 20, 21, 22, 23, 0, 1, } or Day .... 19·12·2
8	0 12 A.M.	·14·3	·1·1	
9	1 ,,	·14·3	·1·1	Mean Annual ..... 19·13·2
10	2 ,,	·14·4	·1·2	
11	3 ,,	·14·5	·1·3	
12	4 ,,	·14·5	·1·3	
13	5 ,,	·14·6	·1·4	
14	6 ,,	·14·9	·1·7	TIMES OF MEAN MAXIMUM AND MINIMUM.
15	7 ,,	·14·8	·1·6	
16	8 ,,	·14·1	·0·9	G. M. T. B. C. T.
17	9 ,,	·13·0	− ·0·2	
18	10 ,,	·11·5	− ·1·7	A Maximum at 2 or 6 P.M.
19	11 ,,	·10·5	− ·2·7	A Minimum at 3 or 7 ,,
20	0 12 P.M.	·10·2	− ·3·0	A Maximum at 6 or 10 ,,
21	1 ,,	·10·5	− ·2·7	A Minimum at 7 or 11 ,,
22	2 ,,	·10·9	− ·2·3	A Maximum at 14 or 6 A.M.
23	3 ,,	·11·7	− ·1·5	A Minimum at 20 or Noon.

TABLE LIX.—*Showing, for the Year* 1863, *the hours of Göttingen Mean Time at which the Mean Value of Calculated Dip corrected for Instrumental Errors in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Value of Calculated Dip.		Mean Diurnal Range.	The Time at which the Mean Hourly Value of Calculated Dip was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	19°23′4	19°17′7	0°5′7	16	24
February.....	·23·8	·18·0	·5·8	15	20
March	·24·9	·18·9	·6·0	14	20
April	·18·3	·12·2	·6·1	14	20
May.....	·17·3	·10·2	·7·1	14	20
June.....	·15·8	·10·8	·7·0	14	19
July.....	·12·9	·08·4	·4·5	14	(20/21)
August.....	·10·1	·06·3	·3·8	(14/15)	21
September	·06·7	·04·3	·2·4	15	21
October	·07·3	·04·5	·2·8	14	20
November	·07·4	·01·6	·5·8	6	23
December	·17·3	·12·6	·4·7	15	23

There was much irregularity in Maxima and Minima in the latter part of the year.

TABLE LX.—*Daily Range of Calculated Dip for each Day of Göttingen Mean Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1	0°7′2	0°6′1	0°7′7	0°8′0	0°6′4	0°7′7	0°3′5	0°3′3	0°2′7	0°2′6	0°8′1	0°8′8
2	.8.0	.6.0	.7.5			.7.8	.4.6	.5.8	.2.8	.2.6	.9.2	.7.2
3		.7.3	.8.5	.5.5	.8.4	.8.4	.4.3	.4.4	.2.8		.9.2	.6.2
4	.7.9	.4.9			.8.1	.5.4		.4.7	.2.6	.3.9	1.0.5	.5.0
5	.6.0	.8.3	.5.5	.5.7	.6.9	.6.1	.5.4	.5.0		.3.3	.7.9	
6	.6.2	.6.4		.6.0	.9.3		.2.7	.6.5	.2.8	.4.7	.6.6	.4.7
7	.8.6		.6.1	.6.5	.8.1	.6.0	.4.6		.4.4	.7.4		.3.1
8	.7.3	.6.4	.6.0	.6.8	.8.1	.4.9	.7.0	.5.9	.4.6	.6.9	.6.6	.2.9
9	.7.6	.5.9	.5.0	.8.2		.5.2	.5.7	.6.0	.6.1	.3.8	.6.6	.5.3
10		.7.9	.6.9	.9.7	.6.9	.5.7	.5.0	.2.4	.4.3			.5.8
11	1.2.1	1.1.0	.7.3		.6.8	.5.9		.4.6	.5.5	.3.5	.8.1	.8.0
12	1.0.8	.6.4	.7.6	.7.0	.8.7	.5.3	.6.1	.4.4		.3.3	.7.1	
13	.4.9	.5.9		.7.8	.6.0		.5.8	.5.7	.5.2	.3.7	.5.6	.5.1
14	.8.4		.5.6	.6.6	.6.2	.5.5	.8.9		.2.7	.3.5		.5.3
15	.6.5	.7.8	.6.9	.7.4	.7.9	.4.5	.3.4	.7.1	.4.0	.3.4	.9.1	.6.1
16	.9.4	.6.4	.5.4	.6.9		.4.5	.7.1	.5.2	.3.2	.3.4	.6.9	.6.2
17		.9.3	.8.6	.8.3	.7.5	.4.0	.5.9	.5.0	.5.7		.8.8	.6.9
18	.7.0	.9.8	.6.2		.8.2	.8.3		.5.6	.3.1	.2.9	.8.6	.7.6
19	.6.8	1.0.4	.8.6	.6.9	.9.6	.5.9	.6.9	.6.3		.3.2	.5.9	
20	.4.9			.8.4	.9.5		.6.2	.5.2	.4.5	.1.6	.5.7	.4.9
21	.7.7	.8.7	.9.4	.8.0	.7.6	.6.4	.3.7		.2.7	.3.1		.5.7
22	.7.5	.6.9	.5.8	.8.2	.8.2	.4.0	.6.4	.4.9	.1.9	.2.5	.6.4	.7.5
23	.9.7	.7.1	.4.9	.8.1		.5.0	.4.2	.5.3	.2.8	.2.4	.5.7	.5.3
24		1.0.9	.4.6	.8.3	.6.8	.7.0	.3.8	.3.7	.3.7		.5.6	.6.2
25	.6.6	.5.4	.4.9		.9.2	.6.3			.2.6	.1.1	.5.6	
26	1.2.7	.7.3	.6.7	.6.3	.7.2	.5.5	.4.8	.2.8		.2.3	.6.8	
27	.9.1	.4.9		.7.6	.7.5		.4.2	.4.5	.2.9	.4.3	.8.0	.6.1
28	.7.8		.6.1	.6.8	.6.5	.4.6	.4.2	.4.6	.2.2	.3.3	.6.1	.6.0
29	.7.8		.6.3	.4.1	.7.1	.5.7	.6.8		.3.0	.2.8		.6.2
30	.5.5		.7.1	.7.1	.5.7	.0.5	.2.9	.3.3	.2.5	.2.8	.6.0	.6.4
31							.5.7					

TABLE LXI.—*Showing, for the Year* 1863, *the Hours of Göttingen Mean Time at which the Calculated Dip corrected for Instrumental Errors in simple Hourly Observations in each Month, was Greatest and Least.*

Months, 1863.	Calculated Dip.		Extreme Range.	The Time at which the Calculated Dip was			
	Greatest.	Least.		Greatest.		Least.	
				D.	H.	D.	H.
January	19°32′6	19°16′4	0°16′2	23	14	27	22
February	·23·0	·12·0	·11·0	27	14	20	23
March	·24·3	·07·9	·16·4	3	15	20	19
April	·21·4	·09·0	·12·4	19	15	28	19
May	·20·3	·07·2	·13·1	15	14	25	19
June	·18·0	·04·6	·13·4	19	14	3	20
July	·10·1	·06·9	·03·2	3	14	31	19
August	·10·8	·08·2	·02·6	2	14	31	20
September	·11·0	·04·8	·06·2	1	15	30	19
October	·11·7	·04·7	·07·0	7	23	30	19
November	·13·6	·00·0	·13·6	1	6	28	18
December	·27·0	·11·4	·15·6	30	5	20	31

TOTAL INTENSITY.

TABLE LXII.—*Showing, for each Month, the Mean Value of Total Intensity and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Value of Total Intensity.	Difference from the Mean of the year.	FOR SEASONS.
	En. Un.	En. Un.	En. Un.
January	8·5404	−0·0008	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter.... 8·5416
February	·5462	·0050	
March	·5430	·0018	
April	·5426	·0014	Mean of {Apr., May, June, July, Aug., Sept.} or Summer .. 8·5408
May	·5480	·0068	
June.....	·5458	·0046	
July.....	·5420	·0008	Mean of the Year .... 8·5412
August	·5364	− ·0048	
September	·5300	− ·0112	Greatest Monthly Mean in May..... 8·5480
October	·5346	− ·0066	Least Monthly Mean in September ..... 8·5300
November	·5381	− ·0031	
December.....	·5470	·0058	Difference.... 0·0180

TABLE LXIII.—*Showing, for the Year* 1863, *the Mean Value of Total Intensity for each Hour of Göttingen Mean Time; and also its Diurnal Changes from the Mean of the Year.*

Göttingen Mean Time.	Bombay Civil Time.	Mean Value of Total Intensity.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	H. M.	En. Un.	En. Un.	
Noon.	4 12 P.M.	8·5407	−0·0005	
1	5 12 „	·5385	− ·0027	
2	6 12 „	·5375	− ·0037	
3	7 12 „	·5355	− ·0057	En. Un.
4	8 12 „	·5353	− ·0059	Mean of {2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,} or Night.. 8·5371
5	9 12 „	·5357	− ·0055	
6	10 12 „	·5357	− ·0055	
7	11 12 „	·5367	− ·0045	Mean of {14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 0, 1.} or Day.... 8·5453
8	0 12 A.M.	·5371	− .0041	
9	1 12 „	·5377	− ·0035	
10	2 12 „	·5379	− ·0033	Mean Annual..... 8·5412
11	3 12 „	·5385	− ·0027	
12	4 12 „	·5387	− ·0025	
13	5 12 „	·5389	− ·0023	TIMES OF MEAN MAXIMUM AND MINIMUM.
14	6 12 „	·5395	− ·0017	
15	7 12 „	·5411	− ·0001	G. M. T. B. C. T.
16	8 12 „	.5445	·0033	
17	9 12 „	·5491	·0079	A Minimum at 4 or 8 P.M.
18	10 12 „	·5513	·0101	A Maximum at 18 or 10 A.M.
19	11 12 „	·5505	·0093	A Minimum at 19 or 11 „
20	0 12 P.M.	·5513	·0101	A Maximum at 20 or Noon.
21	1 12 „	·5489	.0077	
22	2 12 „	·5459	·0047	
23	3 12 „	·5429	·0017	

SUMMARY OF THE MAGNETIC RESULTS FOR 1863.

The following short Summary will show at a glance the general characteristics of all the Magnetic Elements during the year 1863:—

Declination.

Daily mean values of Declination dwindled between 31′25 and 36′04. The difference between the daily mean values of two consecutive days never exceeded 1′1, but generally remained within 0′5.

Declination in simple hourly observations was always greater than 28′5, and less than 38′3.

Daily range of Declination was greater in summer than it was in winter, but never exceeded 7′8, nor went below 1′3 at any time.

Mean annual Declination was 33′956, being about 3′4 greater than the mean Declination in 1862.

Times of maximum and minimum occurred generally + noon, — 4h., + 9h., — 12h., + 16h., — 20h. Göttingen mean solar time (+ maximum and — minimum). The principal maximum at 16 G. M. T., or 8 A. M. Bombay civil time, differed from the annual mean by about 2′0, and the principal minimum at 20 G. M. T., or noon B. C. T., differed from it by about 1′4.

It appears that a single observation taken at 10 A. M., 6 P. M., or 10 P. M. Bombay civil time, would give Declination nearly equal to the daily mean, and a combination of two observations at 9 A.M. and 2 P. M. would give mean Declination within 0′1 for any day.

Horizontal Force.

Daily mean values of Horizontal Force corrected, calculated from the Bifilar scale readings, dwindled between 8·04 and 8·08 English units. The difference between the daily means of two consecutive days never exceeded 0·02 En. Un., but generally was less than 0·01 En. Un.

In simple hourly observations Horizontal Intensity was always greater than 8·015 En. Un., and less than 8·099 En. Un.

Its daily range was a little greater in winter than it was in summer, but always less than 0·044 En. Un.

Mean Annual Horizontal Force was 8·065 En. Un., which was greater by about 0·01 than the mean in 1862.

Time of principal maximum and minimum Force was 20h. and 4h. Göttingen mean time or noon, and 8 P. M. Bombay civil time. Secondary maxima and minima as to time differ in different months.

The best time for determining mean daily Horizontal Force by a single observation would be 4 P. M. B. C. T. Two observations at 6 A. M. and 3 P. M. would also give pretty correct result.

Vertical Force.

Daily mean values of Vertical Force, corrected and calculated from the scale readings of Vertical Force Magnetometer, dwindled between 2·76 and 2·85 En. Un.

Daily range was greater in dry season than what it was in wet season.

The best time for determining the daily mean value of Vertical Force from a single observation would be 10 A. M., 8 P. M., or 9 P. M.; but two observations at 9 A. M. and 6 P. M. would give daily mean more correctly.

Hourly values of Vertical Force were generally greater than the daily mean from 9 P. M. to 9 A. M., and less from 10 A. M. to 8 P. M.

The times of principal maximum and minimum of Vertical Force nearly correspond to the times of maximum and minimum of Declination.

Dip.

Mean daily value of Calculated Dip from the corrected values of Vertical and Horizontal Force ranged between 18° 57′ and 19° 28′. The difference between the mean Dip of any two consecutive days did not exceed 6′, but generally remained within 2′.

Its daily range was never greater than 13′ and less than 1′.

Mean annual Dip was 19° 13·2, which was about 3′ greater than the observed Dip.

Time of principal minimum corresponds with that of the Declination and Vertical Force; but the time of principal maximum occurs two hours earlier than that of the Declination and Vertical Force.

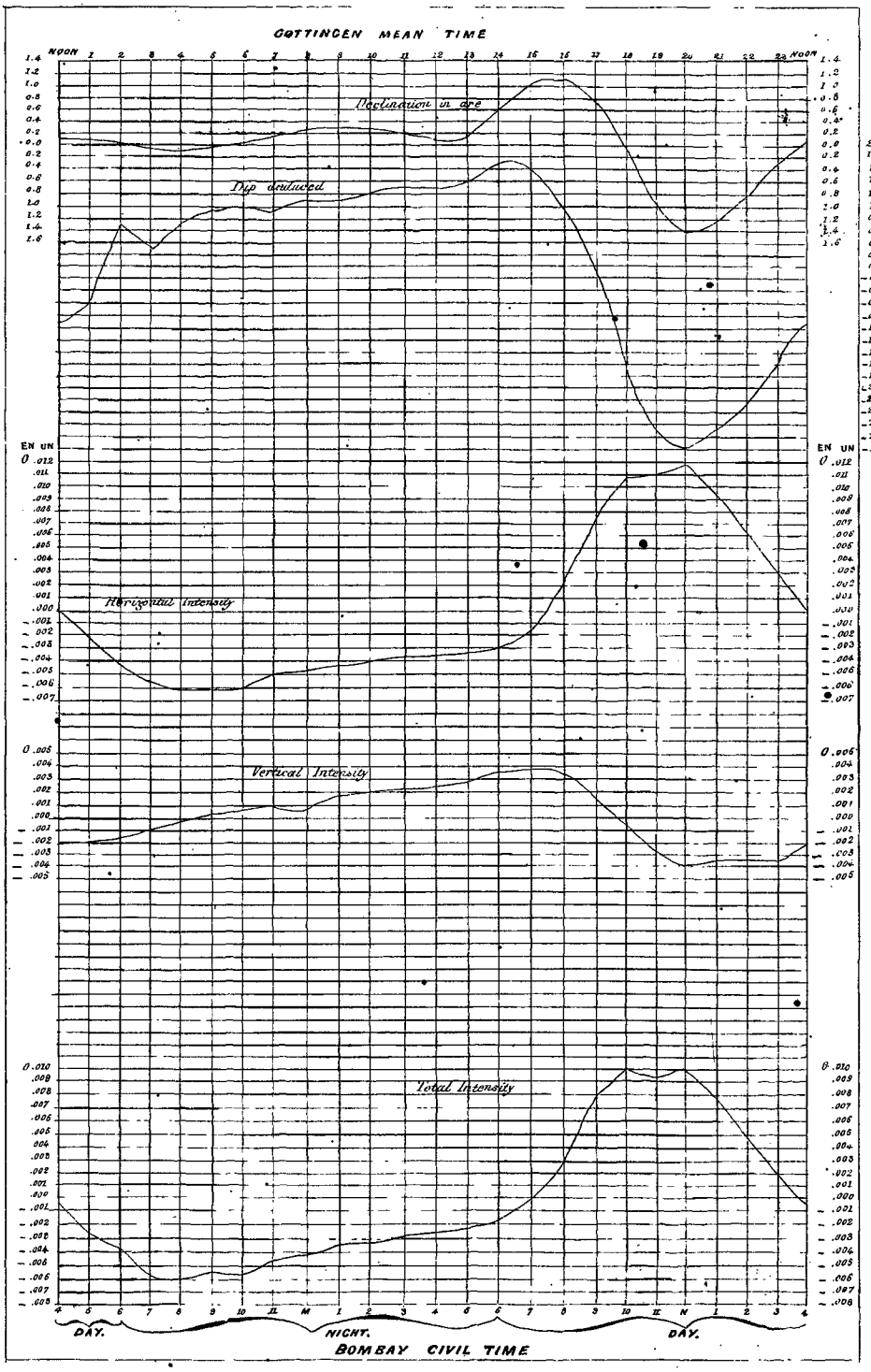
The best time for ascertaining daily mean Dip would be 9 A. M. or 7 P. M.; and a combination of these two observations would give Dip near enough to the daily mean.

Total Intensity.

Monthly mean values of Total Intensity fluctuated between 8·53 and 8·55 En. Un. In the hourly means their fluctuation was still less.

Total Intensity was greatest at noon and least at 8 P. M. Bombay civil time.

DIURNAL CHANGES OF THE MAGNETIC ELEMENTS

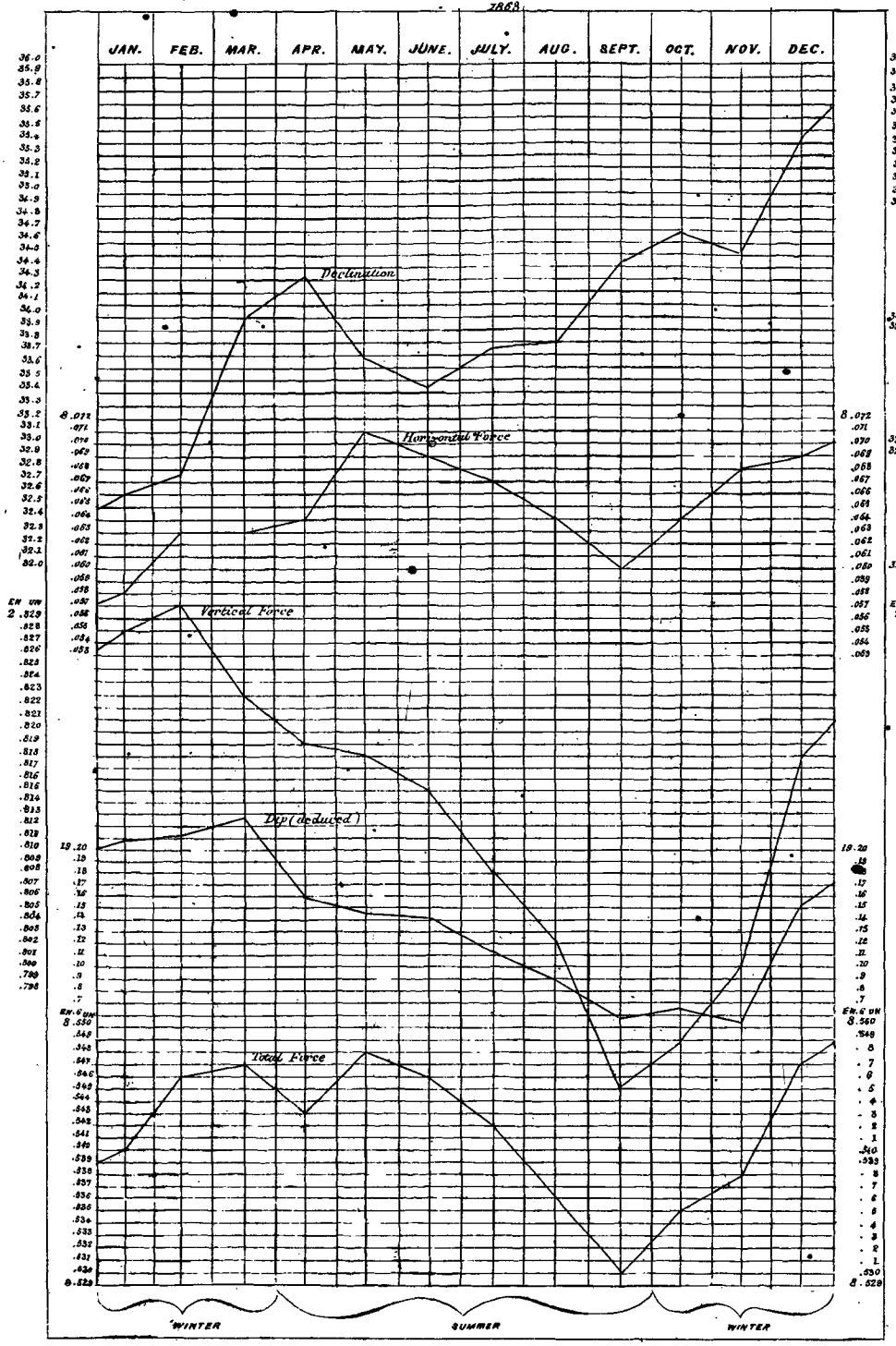


Drawn by S. Cassinathsett

Curved by Naro Balcrustel'utsyerdhan 1st Assistant

MONTHLY ABSOLUTE VALUES OF MAGNETIC ELEMENTS.

1868.



Drawn by S. C.

Curved by N. B. P. 1st Assistant

xhibiting the principal **MAGNETIC PHENOMENA** in the year 1863 (A dotted line denotes that no Observations were m

CH • APRIL MAY JUNE • JULY AUGUST SEPTEMBER OCTOB

Absolute Declination (in arc)
Absolute Horizontal Intensity (in English Units)
Absolute Vertical Intensity (in English Units)
Calculated Dip (in arc)

CH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCT

BOMBAY GOVERNMENT OBSERVATORY.

METEOROLOGICAL OBSERVATIONS.

1863.

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 2nd-Midnight	29.944	29.424	71°0	64°0	7°0	59°8	0.520	0·69	73°0	77°0	NNE	0.2		+	1		Above 10m.
1 a. m.	.941	·326	71·0	67.0	4.0	64.9	.615	.82	72.0	76.8	NE b N	0.1		+	20	20	1.9
2 „	.914	.376	70.8	64.5	6.3	60.8	.538	.72	72.0	76.8	„	0.1		+	1		Above 10m.
3 „	.903	.353	69.7	64.5	5.2	61.5	.550	.77	71.0	76.6	„	0.1					
4 „	.904	·362	69.0	64.0	5.0	61.0	.542	.77	70.8	76.4	„	0.1		+	1		Above 10m.
5 „	.918	·425	68.0	62.0	6.0	58.2	.493	.72	69.8	76.2	E b N	0.0					
6 „	.935	·439	66.5	61·5	5.0	58.4	.496	.77	68.5	76.0	„	0.0		+	1		Above 10m.
7 „	.961	.439	66.8	62.5	4.3	59.9	.522	.80	69.0	75.8	„	0.0		+	1		Above 10m.
8 „	.994	.463	70.0	64.0	6.0	60.4	.531	.73	71.0	75.8	„	0.1		+	1		Above 10m.
9 „	30·012	·456	72.0	65·5	6.5	61.8	.556	.72	72.0	75.8	„	0.2		+	1		Above 10m.
10 „	.022	.474	74.2	66.0	8.2	61.4	.548	.66	74·1	75.9	„	0.3					
11 „	.000	.460	76.6	65.6	11.0	61.0	.541	.57	75.2	76.1	„	0.2					
Noon.	29.966	.450	80.0	67.0	13.0	59.6	.516	.51	76.0	76.3	„	0.2	None.				
1 p. m.	.922	·421	81.4	67.0	14.4	58.7	.501	.48	78.0	76.6	NNW	0.6					
2 „	.901	·438	81.8	66.0	15.8	56.3	.463	.44	79.0	76.8	NW	0.3		+	1		Above 10m.
3 „	·880	·323	81.5	68.8	12.7	61.9	.557	.53	79.0	77.0	NW b N	0.6					
4 „	·882	.350	81.5	68.0	13.5	60.5	.532	.51	79.0	77.2	NNW	0.6					
5 „	·891	.298	79.0	69.0	10.0	63.8	.593	.61	78.0	77.2	N b W	0.6					
6 „	·900	.261	76·8	69.5	7.3	66.0	.639	.70	76.7	77.2	„	0.5					
7 „	·915	.286	75.7	69.0	6.7	65.5	.629	.72	75.9	77.1	„	0.3		+	1		Above 10m.
8 „	·938	.328	75.0	68.2	6.8	64.6	.610	.72	75.3	77.0	N	0.3		+	1		Above 10m.
9 „	·960	·378	74.0	67.0	7.0	63.2	.582	.70	74.2	77.0	„	0.2		+	1		Above 10m.
10 „	·958	.356	72.2	67.0	5.2	64.2	.602	.77	73.0	76.9	„	0.2		+	1		Above 10m.
11 „	.947	·396	71.0	65.0	6.0	61.5	.551	.73	72.5	76.8	N b E	0.3		+	4		1.18
Jan. 3rd-Midnight	.943	.360	71.0	66.0	5.0	63.2	.583	.78	72.0	76.6	N b E	0.4		+	12		1.38
1 a. m.	.932	.317	71.0	67.0	4.0	64·9	.615	.82	72.0	76.5	NE b N	0.4		+	20		Above 10m.
2 „	.926	.397	70.2	64.0	6.2	60.3	·529	.72	72.0	76.4	ENE	0.5		+	2		Above 10m.
3 „	.921	.361	70.2	65.0	5.2	62.0	.560	.77	71·3	76.4	„	0.4		+	1		Above 10m.
4 „	.924	.353	69.2	65·0	4.2	62.6	·571	.81	71.0	76.2	„	0.2		+	1		Above 10m.
5 „	.926	.403	68.0	63.0	5.0	60.0	.523	.77	70.0	76.0	„	0.1		+	2		Above 10m.
6 „	.955	.468	67.5	61.6	5.9	57.8	·487	.73	69.0	75.9	„	0.3		+	2		Above 10m.
7 „	.979	.452	67.6	63.0	4.6	60.2	.527	.79	69.1	75.6	E b N	0.3		+	4		1.00
8 „	30.002	.457	69.6	64.3	5.3	61.2	.545	.76	70.2	75·5	„	0.2		+	2		1.25
9 „	.020	.476	71.6	65.0	6.6	61.2	·544	.71	71.1	75.6	E	0.2		+	4		1.49
10 „	.018	.443	73.2	66.5	6.7	62.8	.575	.71	72.0	75.8	E b N	0.3		+	2		Above 10m.
11 „	.004	.467	75.2	66.0	9.2	60.8	.537	.62	74.0	75.9	E	0.2	None.	+	1	None.	Above 10m.
Noon.	29.971	.508	79.0	65.0	14.0	56.3	.463	.48	76.0	76.0	ENE	0.2		+	1		Above 10m.
1 p. m.	.937	.485	83.4	66.2	17.2	55.6	.452	.40	78.9	76.4	NE b E	0.4		+	2		Above 10m.
2 „	.910	.406	84.0	68.0	16.0	58.9	.504	.44	80.0	76.8	NW	0.6		+	1		Above 10m.
3 „	.899	.387	83.3	68.0	15.3	59.3	.512	.46	80.0	77.0	W b N	0.6		+	1		Above 10m.
4 „	.897	.340	82.3	69.0	13.3	61.9	.557	.52	80.0	77.1	„	0.5		+	1		Above 10m.
5 „	.900	.335	79.5	68.3	11.2	62.3	.565	.58	78.3	77.2	„	0.3					
6 „	.911	.329	77.0	68.0	9.0	63.2	.582	.64	77.0	77.2	WNW	0.5					
7 „	.936	.308	76.5	69.2	7.3	65.5	.628	.70	76.5	77.1	NW b W	0.3		+	1		Above 10m.
8 „	.952	.326	76.0	69.0	7.0	65.4	.626	.75	76.2	77.0	„	0.4					
9 „	.966	.318	74.0	69.0	5.0	66.5	.648	·78	75.0	76.8	NW	0·2		+	2		Above 10m.
10 „	.975	.403	72.0	66.0	6.0	62.7	.572	.74	73.2	76.6	„	0.3		+	2		Above 10m.
11 „	.971	.363	71.6	67.0	4.6	64.4	.608	.80	72.5	76.5	N b W	0.1		+	2		Above 10m.
Jan. 5th-Midnight	.987	.299	71.0	68.0	3.0	68.2	.688	.86	72.6	76.8	N b W	0.2		+	12	12	1.18
1 a. m.	.971	.388	71.0	66.0	5.0	63.2	.583	.78	72·5	76.8	„	0.5		+	1		5.10
2 „	.954	.403	71.0	65.0	6.0	61.5	.551	.73	72.4	76.6	„	0.2					
3 „	.941	.379	70.0	65.0	5.0	62.1	.562	.77	71.8	76·4	N b E	0.5					
4 „	.944	.427	68.5	63.0	5.5	59.6	.517	.75	70.0	76.4	„	0·5					
5 „	.945	.433	69.0	63.0	6.0	59.3	.512	.73	70.2	76.3	„	0.3					
6 „	.958	.433	68.2	63.5	4.7	60.1	.525	.79	69.5	76.1	„	0.1	None.	+	2		3.10
7 „	.977	.433	68.8	64.0	4.8	61·1	.544	.78	70·2	75.9	NNE	0.2		+	8	6	1.15
8 „	30.002	.451	71.0	65.0	6.0	61.5	.551	.73	71.0	75.6	NE	0.2		+	1		Above 10m.
9 „	.025	.482	73.2	65.5	7.7	61.1	.543	.67	73.0	75.6	„	0.3		+	1		Above 10m.
10 „	.022	.494	76.0	66.0	10.0	60.3	.528	·60	74.0	75.8	„	0.2					
11 „	.006	.506	80·0	66.5	13.5	58.6	·500	.50	77.3	76.2	NNE	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤i cirri; ≤≤i cirro-cumuli; ⌒i cumuli; ⌒≤i cirro-strati; ⌒≤i cumulo-strati; and ≤≤≤ nimbi.	
0	G	Cloudless and dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°6 and 83°9. 2nd January was the 1st cloudless day during the Month.
0	R	,, ,,	
0	R	Cloudless.	
0	R	,,	
0	R	,,	
0	B	,,	
0	B	,,	
0	B	Mist and fog in hor.	
0	B	,, ,,	
0	G	,, ,,	
0	G	,, ,,	
0	G	Cloudless.	
0	G	,,	
0	R	Light mist along E hor.	
0	R	,, ,,	
0	R	,, ,,	
0	R	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	B	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	G	Cloudless and dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°9.
0	R	A few cirri in W hor.	
1	R	≤i scattered around hor.	
1	R	,, ,,	
1	R	,, ,,	
1	B	,, ,,	
0	B	A few ≤i above S E hor.	
0	B	Mist and fog in hor.	
0	B	,, ,,	
0	G	,, ,,	
0	G	A few ≤i around hor., mist and fog in hor.	
0	G	A few ≤i along E hor., mist along W hor.	
0	G	,, ,, ,,	
2	R	≤i and mist around hor.	
2	R	,, ,,	
2	R	,, ,,	
2	R	,, ,,	
4	B	≤i scattered about hor; haze along E hor.	
5	B	,, ,, ,,	
4	B	≤i scattered about.	
4	B	,, ,,	
2	B	≤i scattered about hor; dew falling.	
1	B	≤i scattered along E hor.; dew falling.	
1	B	≤i scattered along W hor.; dew falling.	
4	G	≤i scattered about the sky; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°9.
5	R	≤i scattered here and there.	
7	R	≤i scattered throughout.	
2	R	≤i scattered about hor.	
2	R	,, ,,	
2	R	,, ,,	
3	B	≤i and ≤≤i scattered about hor.	
2	B	A few pieces of ≤≤i in S; ≤i scattered about hor; mist and fog in hor.	
2	B	A few pieces of ≤≤i in W; ≤i scattered about; mist and fog in hor.	
2	G	,, ,, ,, ,, ,,	
2	G	≤i and ≤≤i scattered about hor; mist and fog around hor.	
2	G	≤i and ≤≤i scattered about hor; mist along W hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 5th-Noon.	29.974	29.385	82°4	70°0	12°4	63°5	0.589	0.54	79°1	76°6	N b W	0.5					
1 p. m.	.937	.283	83.0	72.0	11.0	66.7	·654	.59	80.0	77.0	NW	0.6					
2 „	.920	.266	83.0	72.0	11.0	66.7	.654	.59	80.0	77.2	„	0.6					
3 „	.908	.253	84.4	72.5	11.9	66.8	.655	.57	81.0	77.4	„	0.5					
4 „	.909	.188	83.6	74.0	9.6	69.7	.721	.65	81.0	77.6	„	0.5					
5 „	.926	.186	80.6	73.6	7.0	70.5	.740	.73	79.6	77.7	„	0.2					
6 „	.929	.185	78.2	73.0	5.2	70.7	.744	.79	78.1	77.6	„	0.4	None.	None.	None.	None.	None.
7 „	.936	.204	76.6	72.2	4.4	70.2	.732	.82	77.0	77.5	„	0.3					
8 „	.952	.317	75.2	69.0	6.2	65.8	.635	.74	76.2	77.5	„	0.2					
9 „	.964	.391	74.8	67.0	7.8	62·7	.573	.68	75.6	77.4	NW b N	0.5					
10 „	.955	.373	74.0	67.0	7.0	63.2	.582	.70	75·0	77.3	„	0.4					
11 „	.943	.361	74.0	67.0	7.0	63.2	.582	.70	73.9	77.2	NNW	0.4					
Jan. 6th-Midnight	.937	.315	73.4	68.0	5.4	65.2	.622	.77	73.8	77.1	N b E	0.4		+	1		Above 10m.
1 a. m.	.931	.370	73.0	66.0	7.0	62.1	.561	.70	73.8	77.1	„	0.1					
2 „	.916	.323	73.0	67.0	6.0	63.8	.593	.74	73.8	77.0	„	0.3					
3 „	.903	.320	72.5	66.5	6.0	63.2	.583	.74	73.5	77.0	„	0.3					
4 „	.899	.323	71.6	66.0	5·6	62.9	.576	.75	73.0	76.8	„	0.2					
5 „	.896	.414	69.0	62.0	7.0	57.5	.482	.69	71.8	76.6	„	0.1					
6 „	.911	.391	68.3	63.0	5·3	59.8	.520	.75	70.3	76.4	„	0.0					
7 „	.940	.477	68.0	61.0	7.0	56.3	.463	.68	70.0	76.1	„	0.1		+	10	10	0·45
8 „	.966	.426	72.0	65.0	7·0	60.9	.540	.70	72.2	76.1	„	0.1		+ +	2		3.10
9 „	.969	.385	73.8	67.0	6.8	63.3	.584	.71	73.0	76.2	„	0.2		+	1		Above 10m.
10 „	.970	.417	76.6	67.0	9.6	61.6	.553	·62	74.3	76.2	NNE	0.2					
11 „	.944	.393	79.0	67.5	11.5	61.5	·551	.53	76.0	76.5	NW b N	0.4					
Noon.	.916	.312	81.0	70.0	11.0	64.3	.604	.59	77.2	76.8	„	0.6	None.				
1 p. m.	.882	.276	81.8	70.3	11.5	64.4	.606	.57	79.0	77.1	WNW	0.8					
2 „	.860	.206	83.0	72.0	11.0	66.7	.654	.59	80.0	77.3	„	0.7					
3 „	.848	.187	82.4	72.0	10.4	67.1	.661	.61	80.0	77.5	„	0.7					
4 „	.852	.178	81.2	72.0	9.2	67.7	.674	.65	79.8	77.6	„	0·7					
5 „	.865	.206	78.0	70.6	7.4	67.0	.659	.70	78.0	77.6	NW b W	0.6					
6 „	.877	.247	75.6	69.0	6.6	65.6	.630	.73	76.0	77.5	„	0.8		+	2		Above 10m.
7 „	.882	.280	75.2	68·0	7.2	64.2	.602	.70	75.7	77.4	„	0.7					
8 „	.903	.356	74.8	66.2	8.6	61.3	.547	.65	75.3	77.3	NW	0·2					
9 „	.921	.360	73.0	66.0	7.0	62.1	.561	.70	74.1	77.2	„	0.1					
10 „	.918	.335	72.5	66.5	6.0	63.2	.583	.74	73.2	77.0	„	0.2					
11 „	.913	.346	71.0	65.5	5.5	62.4	.567	.76	73.0	76.9	„	0.2		+	2		Above 10m.
Jan. 7th-Midnight	.913	.330	71.0	66.0	5.0	63.2	.583	.78	72.0	76.8	NW	0.4		+	6	6	2.11
1 a. m.	.913	.293	72.0	67.5	4.5	65.1	.620	·80	73.0	76.9	„	0.1		+ +	1		Above 10m.
2 „	.909	.326	71.0	66·0	5.0	63.2	.583	.78	72.9	76·8	„	0.1		+	1		Above 10m.
3 „	.905	.343	70.0	65.0	5.0	62.1	.562	.77	71.6	76·6	„	0.1					
4 „	.906	.370	69·5	64.0	5.5	60.7	.536	.75	71.0	76·4	„	0.1					
5 „	.910	.550	68.3	61.0	7.3	56.2	.460	.67	70.0	76·1	„	0.2		+	1		
6 „	.935	.472	68.0	61.0	7.0	56.3	.463	.68	69.3	75.8	„	0.1		+	1		Above 10m.
7 „	.971	.461	67.8	62.1	5.7	59.2	.510	.74	69.3	75.7	„	0.1		+	4		Above 10m.
8 „	.990	.519	70.0	62.0	8.0	56.8	.471	.64	70.5	75.7	„	0.1		+	1		3.05
9 „	30.001	.543	73.9	63.0	10.9	56·0	.458	.56	72.3	75.9	„	0.2		+	1		Above 10m.
10 „	29.994	.466	76.0	66.0	10.0	60.3	·528	.60	74.0	76.0	„	0.1					Above 10m.
11 „	.972	.414	79.2	68.0	11.2	61.9	.558	.57	76.1	76.0	NW b N	0.2					
Noon.	.940	.391	80.0	68.0	12.0	61.4	.549	.55	77.0	76.1	„	0.4	None.	+	2		Above 10m.
1 p. m.	.910	·374	81.2	68.0	13.2	60.7	.536	.51	78.4	76.6	WNW	1.0					
2 „	.891	.305	81.4	69.6	11.8	63.4	.586	.56	79.0	76.8	„	1.0					
3 „	.880	.290	80.8	69.5	11.3	63.6	.590	.58	78.8	77·0	„	1.2		+	1		Above 10m.
4 „	.879	.305	79.2	68.5	10.7	62.8	.574	.59	78.0	77.0	NW b W	1.3					
5 „	.886	.339	76.6	66.8	9.8	61.3	.547	.61	76.3	77.0	„	1.0					
6 „	.893	.338	75.0	66.5	8.5	61.8	.555	.65	75.3	76.9	„	1.0		+	1		Above 10m.
7 „	.913	.369	74.5	66.0	8.5	61.2	.544	.65	75.0	76.9	„	1.3		+	1		Above 10m.
8 „	.941	.423	74.0	65.0	9.0	59.7	.518	.63	74.5	76.9	NW	0·5		+ +	2		Above 10m.
9 „	.950	.410	72.0	65.0	7.0	60.9	.540	.70	73.2	76.9	NW b W	0.4		+	1		Above 10m.
10 „	.949	.408	70.8	64.6	6.2	61.0	.541	.73	73.0	76.5	NW	0·5					
11 „	.949	.448	70.0	63.0	7.0	58.7	.501	.69	72.3	76.2	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒⌣≀ cumulo-strati; and ⌣⌣≀ nimbi.	
2	G	≀ and ≀≀ scattered about hor; mist along W hor.	
1	R	≀≀ scattered around hor.	
1	R	" "	
2	R	" "	
1	R	≀≀ scattered about hor; light mist in hor.	
0	B	" " "	
0	B	Haze along E hor.	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8.
0	R	"	6th January was the 1st day on which the sky remained almost cloudless.
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few ≀ in E hor.	
0	B	Mist and fog in hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	A few pieces of ≀≀ in E hor; mist around hor.	
0	G	" " "	
0	R	" " "	
0	R	" " "	
0	R	" " "	
0	R	Mist along E hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8.
0	R	Cloudless.	7th January was the 2nd day on which the sky remained entirely cloudless.
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist in hor.	
0	G	" "	
0	R	Cloudless.	
0	R	Mist along E hor.	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 8th-Midnight	29.941	29.470	70°0	62°0	8°0	56°8	0.471	0.65	71°5	76°1	NW	0.4		+	1		Above 10m.
1 a. m.	.941	.470	70.0	62.0	8.0	56.8	.471	.65	71.0	76.1	,,	0.2		+	1		Above 10m.
2 ,,	.928	.476	69.0	61.0	8.0	55.6	.452	.64	70.6	76.0	,,	0.2		+	1		Above 10m.
3 ,,	.915	.429	68.6	62.0	6.6	57.8	.486	.70	70.0	75.8	,,	0.3		+	2		Above 10m.
4 ,,	.922	.362	67.0	64.0	3.0	62.0	.560	.86	69.7	75.7	NW b N	0.2		+	1		Above 10m.
5 ,,	.916	.418	67.5	62.0	5.5	58.5	.498	.75	69.0	75.6	,,	0.1		+	1		Above 10m.
6 ,,	.936	.438	67.5	62.0	5.5	58.5	.498	.75	69.0	75.4	N b W	0.0		+	2		Above 10m.
7 ,,	.970	.532	67.6	60.0	7.6	54.7	.438	.66	69.0	75.2	N	0.1		+	2		Above 10m.
8 ,,	.992	.536	70.0	61.5	8.5	55.9	.456	.63	70.2	75.1	N b W	0.1		+	1		Above 10m.
9 ,,	30.001	.572	73.8	62.0	11.8	54.1	.429	.52	72.0	75.2	,,	0.2		+	1		Above 10m.
10 ,,	.005	.532	77.0	64.6	12.4	57.0	.473	.52	75.0	75.2	N b E	0.2	None.			None.	
11 ,,	29.983	.490	79.2	66.0	13.2	58.2	.493	.50	77.6	75.6	,,	0.2					
Noon.	.954	.348	83.0	70.0	13.0	64.4	.606	.53	78.9	75.9	NNE	0.2		+	2		Above 10m.
1 p. m.	.919	.231	83.2	73.0	10.2	68.3	.688	.62	79.8	76.5	NW b N	0.7		+	2		Above 10m.
2 ,,	.900	.138	83.4	75.0	8.4	71.4	.762	.68	80.1	76.8	NW	0.7		+	2		Above 10m.
3 ,,	.890	.133	83.8	75.0	8.8	71.2	.757	.67	80.9	77.0	,,	0.6		+	1		2.30
4 ,,	.889	.121	82.8	75.0	7.8	71.7	.768	.70	80.6	77.2	,,	0.8		+	2		5.40
5 ,,	.900	.165	80.0	73.3	6.7	70.3	.735	.73	79.2	77.3	,,	0.6		+	2		1.00
6 ,,	.910	.211	77.3	71.5	5.8	68.8	.699	.76	77.5	77.3	,,	0.5		+	1		Above 10m.
7 ,,	.942	.249	76.2	71.0	5.2	68.5	.693	.78	76.9	77.2	N W b N	0.4					
8 ,,	.952	.257	76.0	71.0	5.0	68.6	.695	.79	76.4	77.2	,,	0.2					
9 ,,	.962	.267	76.0	71.0	5.0	68.6	.695	.79	76.0	77.2	,,	0.1		+	1		Above 10m.
10 ,,	.964	.249	74.2	71.0	3.2	69.5	.715	.86	75.8	77.2	NNW	0.2					
11 ,,	.955	.238	74.0	71.0	3.0	69.7	.717	.87	75.2	77.1	,,	0.3					
Jan. 9th-Midnight	.948	.231	74.0	71.0	3.0	69.6	.717	.87	75.1	77.0	NNW	0.4		+	2		Above 10m.
1 a. m.	.946	.253	73.0	70.0	3.0	68.5	.693	.87	74.5	77.0	,,	0.3		+	1		Above 10m.
2 ,,	.943	.306	72.0	68.0	4.0	65.9	.637	.82	73.7	77.0	N b E	0.2					
3 ,,	.947	.286	71.6	68.6	3.0	67.1	.661	.87	73.0	76.8	,,	0.2					
4 ,,	.947	.310	72.0	68.0	4.0	65.9	.637	.82	73.0	76.6	,,	0.2					
5 ,,	.947	.339	71.6	67.0	4.6	64.5	.608	.80	73.0	76.5	NNE	0.2					
6 ,,	.973	.365	71.6	67.0	4.6	64.5	.608	.80	72.5	76.5	NE b E	0.1					
7 ,,	30.004	.416	71.3	67.3	4.0	63.5	.588	.82	72.0	76.4	,,	0.3					
8 ,,	.030	.410	73.5	68.0	5.5	65.1	.620	.76	73.5	76.4	NE	0.3					
9 ,,	.045	.392	76.0	69.8	6.2	66.7	.653	.74	75.0	76.5	,,	0.3					
10 ,,	.038	.398	77.8	70.0	7.8	66.1	.640	.69	76.0	76.7	,,	0.2					
11 ,,	.014	.386	80.5	70.5	10.0	65.5	.628	.62	78.2	76.9	,,	0.3	None.			None.	
Noon.	29.979	.351	82.0	71.0	11.0	65.5	.628	.59	80.0	77.3	NE b E	0.2					
1 p. m.	.944	.358	85.8	71.0	14.8	63.4	.586	.49	82.0	77.6	,,	0.6					
2 ,,	.926	.215	88.0	75.0	13.0	69.3	.711	.55	83.0	78.0	W b N	0.7		+	3		4.50
3 ,,	.918	.196	83.5	74.0	9.5	69.8	.722	.65	81.3	78.0	NW b W	0.8					
4 ,,	.911	.213	82.4	73.0	9.4	68.7	.698	.65	81.0	78.1	NW	0.8					
5 ,,	.922	.180	80.0	73.5	6.5	70.6	.742	.74	79.5	78.1	,,	0.8		+	1		Above 10m.
6 ,,	.932	.170	77.2	73.2	4.0	71.4	.762	.83	77.7	78.0	NW b N	0.8					
7 ,,	.948	.268	75.8	70.5	5.3	67.9	.680	.78	76.5	78.0	,,	0.6					
8 ,,	.958	.296	75.8	70.0	5.8	67.1	.662	.77	76.4	77.9	NNW	0.5					
9 ,,	.978	.332	74.2	69.0	5.2	66.4	.646	.78	75.3	77.7	N b W	0.3					
10 ,,	.979	.357	73.4	68.0	5.4	65.2	.622	.77	74.0	77.6	,,	0.2		+	1		Above 10m.
11 ,,	.965	.377	72.0	66.5	5.5	63.5	.588	.76	73.1	77.3	,,	0.3					
Jan. 10th-Midnight	.952	.380	72.0	66.0	6.0	62.7	.572	.74	73.0	77.0	N b W	0.3		+	1		Above 10m.
1 a. m.	.951	.314	72.0	68.0	4.0	65.9	.637	.82	73.0	77.0	,,	0.2		+	1		Above 10m.
2 ,,	.943	.360	71.0	66.0	5.0	63.2	.583	.78	72.5	77.0	NE b N	0.2		+	1		Above 10m.
3 ,,	.941	.365	70.2	65.5	4.7	62.9	.576	.79	72.0	77.0	,,	0.2					
4 ,,	.945	.332	71.2	67.0	4.2	64.8	.613	.81	72.0	76.9	,,	0.5					
5 ,,	.951	.364	71.2	66.2	5.0	63.4	.587	.78	72.0	76.7	NE	0.3	None.			None.	
6 ,,	.969	.356	71.2	67.0	4.2	64.8	.613	.81	72.0	76.7	,,	0.2					
7 ,,	.999	.387	71.3	67.0	4.3	64.7	.612	.81	72.2	76.6	,,	0.2					
8 ,,	30.031	.419	74.3	68.0	6.3	64.7	.612	.73	74.0	76.6	,,	0.2					
9 ,,	.046	.449	76.2	68.2	8.0	64.0	.597	.67	75.7	76.8	,,	0.3					
10 ,,	.044	.412	77.2	69.5	7.7	65.7	.632	.69	76.2	76.8	,,	0.3					
11 ,,	.022	.475	80.2	68.0	12.2	61.3	.547	.54	78.0	77.0	,,	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°8.
0	R	"	
0	R	"	
0	R	"	
0	R	≀ scattered from E to S hor.	
1	B	" "	
1	B		
1	B	≀ in hor. as before; mist and fog in hor.	
1	B	" "	
1	G	" "	
1	G	Light " scattered about; mist and fog in hor.	
1	G	≀ and mist around hor.	
1	G	" "	
2	R	" "	
0	R	≀ scattered about moving N E; mist around hor.	
0	R	≀ scattered about hor. moving E; mist around hor.	
0	R	≀ around hor; mist along E hor.	
0	B	≀ and mist along E hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°5. 9th January was the 3rd cloudless day.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	"	
0	B	Mist and fog in hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist in hor.	
0	G	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	Mist along E hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°6. 10th January was the 2nd day on which the sky remained almost cloudless.
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	B	"	
0	B	A few light ≀ in NE hor.	
0	B	Mist and fog in hor.	
0	B	" "	
0	R	" "	
0	R	" "	
0	R	Mist along W hor.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 10th–Noon.	29.988	29.380	83°8	71°0	12°8	64°5	0.608	0.54	80°5	77°4	N b W	0.4		+	1		Above 10m.
1 p. m.	.959	.373	85.8	71.0	14.8	63.4	.586	.49	81.0	77.5	NW	0.5					
2 „	.940	.299	84.2	72.0	12.2	66.1	.641	.56	81.7	77.6	„	0.4					
3 „	.934	.255	84.0	73.0	11.0	67.9	.679	.60	81.2	77.8	„	0.3					
4 „	.938	.181	83.8	75.0	8.8	71.2	.757	.67	80.0	78.1	„	0.4	None.				
5 „	.943	.201	80.7	73.7	7.0	70.6	.742	.73	80.0	78.2	„	0.5				None.	
6 „	.967	.221	78.0	73.0	5.0	70.8	.746	.79	78.6	78.2	„	0.6					
7 „	.988	.263	76.5	72.0	4.5	69.9	.725	.81	77.0	78.1	NW b N	0.6					
8 „	30.003	.336	75.4	70.0	5.4	67.3	.667	.77	76.5	78.0	„	0.5					
9 „	.016	.462	73.6	66.0	7.6	61.7	.554	.63	75.0	77.8	N b W	0.4					
10 „	.017	.481	72.4	65.0	7.4	60.7	.536	.67	74.0	77.6	„	0.2					
11 „	.006	.423	71.0	66.0	5.0	63.2	.583	.78	73.0	77.6	„	0.1					
Jan. 12th–Midnight	29.992	.409	71.0	66.0	5.0	63.2	.583	.78	73.0	77.4	NW b N	0.3		+	2		Above 10m.
1 a. m.	.975	.360	71.0	67.0	4.0	64.9	.615	.82	73.0	77.4	„	0.1		+ +	1		Above 10m.
2 „	.965	.317	71.0	68.0	3.0	66.5	.648	.86	73.0	77.2	„	0.1		+	1		Above 10m.
3 „	.959	.284	71.5	69.0	2.5	67.7	.675	.89	73.0	77.1	„	0.0					
4 „	.959	.320	71.8	68.0	3.8	66.0	.639	.83	73.0	77.0	NE b N	0.4					
5 „	.952	.375	71.5	66.0	5.5	62.9	.577	.76	72.5	76.9	NE	0.2					
6 „	.971	.356	71.0	67.0	4.0	64.9	.615	.82	72.1	76.8	„	0.2					
7 „	30.007	.424	71.0	66.0	5.0	63.2	.583	.78	72.0	76.6	„	0.2					
8 „	.032	.423	72.3	67.1	5.2	64.3	.604	.77	73.0	76.5	„	0.3					
9 „	.052	.441	74.4	68.0	6.4	64.7	.611	.73	74.0	76.6	„	0.2					
10 „	.041	.426	77.0	69.0	8.0	64.9	.615	.68	76.4	76.9	NNE	0.3					
11 „	.029	.420	80.0	69.8	10.2	64.6	.609	.61	78.1	77.1	„	0.2	None.	+	1	None.	Above 10m.
Noon.	29.997	.437	82.0	69.0	13.0	62.0	.560	.52	79.0	77.2	„	0.2		+ +	1		Above 10m.
1 p. m.	.959	.352	87.2	72.0	15.2	64.5	.607	.43	82.0	77.7	„	0.4		+	2		Above 10m.
2 „	.935	.384	89.0	71.0	18.0	61.5	.551	.42	83.5	78.0	NW b W	0.2		+	1		Above 10m.
3 „	.925	.411	89.2	70.0	19.2	59.4	.514	.38	84.0	78.3	WNW	0.4					
4 „	.914	.294	87.7	72.5	15.2	65.1	.620	.49	83.7	78.5	W b N	0.5					
5 „	.920	.230	83.0	73.0	10.0	68.4	.690	.63	81.1	78.6	WNW	0.2					
6 „	.923	.194	80.2	73.2	7.0	70.1	.729	.72	79.5	78.5	NW	0.3					
7 „	.941	.193	77.8	73.0	4.8	70.9	.748	.80	78.3	78.4	„	0.4					
8 „	.963	.255	76.5	71.5	5.0	69.2	.708	.79	77.3	78.4	„	0.3					
9 „	.978	.307	75.0	70.0	5.0	67.5	.671	.79	77.0	78.1	NW b N	0.2					
10 „	.969	.347	73.4	68.0	5.4	65.2	.622	.77	75.0	77.9	„	0.1					
11 „	.961	.418	73.2	65.5	7.7	61.1	.543	.67	74.0	77.8	„	0.1					
Jan. 13th–Midnight	.951	.379	72.0	66.0	6.0	62.7	.572	.74	73.5	77.8	NW b N	0.1					
1 a. m.	.948	.282	72.4	69.0	3.4	67.3	.666	.85	73.8	77.6	NNW	0.1					
2 „	.944	.296	71.0	68.0	3.0	66.5	.648	.86	73.0	77.4	„	0.3					
3 „	.934	.277	70.2	68.0	2.2	66.9	.657	.90	72.0	77.3	„	0.2					
4 „	.932	.302	69.6	67.0	2.6	65.6	.630	.88	72.0	77.2	„	0.2					
5 „	.929	.345	69.5	65.5	4.0	63.3	.584	.82	71.5	77.0	„	0.0					
6 „	.932	.365	69.6	65.0	4.6	62.4	.567	.79	71.5	77.0	„	0.1					
7 „	.957	.395	70.0	65.0	5.0	62.1	.562	.77	71.5	76.7	„	0.2					
8 „	.987	.393	72.5	66.5	6.0	63.8	.594	.74	72.7	76.6	N b E	0.2					
9 „	.994	.408	73.6	67.0	6.6	63.4	.586	.72	73.0	76.6	„	0.3					
10 „	.993	.389	75.0	68.0	7.0	64.3	.604	.71	74.2	76.8	„	0.2					
11 „	.971	.377	77.4	68.5	8.9	63.8	.594	.64	76.1	76.9	NNE	0.2	None.	None.	None.	None.	None.
Noon.	.929	.349	80.2	69.0	11.2	63.1	.580	.58	77.0	77.1	NNW	0.3					
1 p. m.	.901	.330	81.0	69.0	12.0	62.6	.571	.55	78.5	77.4	NW b W	0.5					
2 „	.884	.248	81.4	71.0	10.4	65.9	.636	.61	79.0	77.6	„	0.7					
3 „	.866	.240	82.2	71.0	11.2	65.4	.626	.58	79.5	77.8	„	0.6					
4 „	.868	.196	81.4	72.0	9.4	67.6	.672	.64	79.6	77.8	„	0.8					
5 „	.883	.247	78.2	70.0	8.2	65.9	.636	.67	77.8	77.8	NW	0.4					
6 „	.886	.263	76.3	69.0	7.3	65.3	.623	.70	77.3	77.8	„	0.4					
7 „	.905	.275	75.6	69.0	6.6	65.6	.630	.73	76.5	77.6	„	0.3					
8 „	.913	.279	75.3	69.0	6.3	65.8	.634	.73	76.0	77.6	NW b N	0.4					
9 „	.938	.301	75.0	69.0	6.0	65.9	.637	.75	75.2	77.4	„	0.5					
10 „	.932	.282	73.8	69.0	4.8	66.6	.650	.79	74.0	77.3	NNW	0.4					
11 „	.912	.282	72.6	68.0	4.6	65.6	.630	.82	73.5	77.3	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌐ cirro-strati; ⌒ cumulo-strati; and ⌐ nimbi.	
0	R	Mist along W hor.	
0	G	Mist. around horizon.	
0	G	" "	
0	G	" "	
0	G	" "	
0	R	" "	
0	R	Cloudless.	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	R	"	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 83°8. Temperature of External and Free Air at 3 P.M. was 89.2 highest during the month and about 10.2 higher than the Normal Mean for that hour.
0	R	Cloudless and dew falling.	
0	[illegible]	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	A few ⌐ above W hor.; mist and fog in hor.	
0	G	" "	
1	G	⌐ and mist around hor.	
5	G	⌐ scattered about; mist along W hor.	
5	G	⌐ scattered here and there.	
2	R	⌐ scattered around hor.	
2	R	" "	
0	R	A few ⌐ around hor.	
1	R	⌐ scattered around hor.	
1	B	" "	
2	B	⌐ scattered from SW to NE hor.	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	A few ⌐ in hor; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°6.
0	R	" "	
1	R	⌐ scattered around hor; dew falling.	
2	R	" "	
1	R	" "	
1	B	⌐ scattered above E and W hor.	
6	B	⌐ scattered throughout.	
6	B	⌐ scattered throughout; mist and fog in hor.	
4	B	" " "	
4	G	" " "	
6	G	⌐ and a few ⌐ scattered about; mist along W hor.	
7	G	⌐ scattered throughout; mist in hor.	
8	G	" "	
8	R	⌐ scattered about moving SE.	
7	R	" "	
4	R	⌐ scattered about hor.	
4	R	⌐ scattered about; mist along E hor.	
6	B	" "	
7	B	" "	
4	B	⌐ scattered about the sky.	
4	B	" "	
4	G	" "	
4	G	" "	
4	G	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 14th-Midnight	29.911	29.299	71·3	67·0	4·3	64·7	0.612	0.81	73·0	77·1	NNW	0.2		+	2		Above 10m.
1 a. m.	.899	.255	71.4	68.0	3.4	66.3	.644	.86	72.5	77.1	„	0.2		+	1		Above 10m.
2 „	.891	.243	71.0	68.0	3.0	66.5	.648	.86	72.5	77.0	„	0.2		+	1		Above 10m.
3 „	.881	.255	70.0	67.0	3.0	65.4	.626	.86	72.0	76.8	„	0.2					
4 „	.884	.311	69.0	65.0	4.0	62.7	.573	.82	71.0	76.7	„	0.2					
5 „	.886	.380	68.2	62.5	5.7	59.0	.506	.74	70.0	76.5	„	0.1					
6 „	.887	.413	67.6	61·2	6.4	57.0	474	.70	69.6	76.3	„	0.1					
7 „	.916	·394	68.1	63.0	5.1	59.9	.522	.76	69.9	76.1	„	0.1					
8 „	.935	.373	70.0	65.0	5.0	62.1	.562	.77	70.6	76.0	„	0.1					
9 „	.958	.332	73.0	68.0	5.0	65.4	·626	.78	73.0	76.0	N b E	0.2					
10 „	.967	.411	74.0	66.2	7.8	61·8	.556	.67	73·5	76.1	NNE	0.1					
11 „	.958	.405	76.6	67.0	9.6	61.6	·553	·62	74.8	76.2	„	0.1	None.	+	1	None.	Above 10m.
Noon.	.929	.404	79.2	67.0	12.2	60.1	.525	.54	75.5	76.4	NNW	0.2					
1 p. m.	.896	.380	80.6	67.2	13.4	59.6	.516	.50	77.8	76.8	NWb W	0.7					
2 „	.873	.313	82.0	69.0	13.0	62.0	.560	.52	79.0	77.0	„	0.6					
3 „	.865	.296	81.2	69.0	12.2	62.5	.569	.55	79.0	77.1	„	0.8					
4 „	.867	.263	81.0	70.0	11.0	64.3	.604	.59	79.0	77.3	„	0.8					
5 „	.881	.294	78.7	68.7	10.0	63.4	.587	.61	77.9	77.3	„	0.3					
6 „	.893	.302	76.2	68.0	8.2	63.7	.591	.67	76.1	77.2	NW	0.2					
7 „	.905	.323	76.5	67.5	8.0	63.2	.582	.67	75.7	77.2	NNW	0.3					
8 „	.919	.390	74.5	65.5	9.0	60.3	.529	.63	75.2	77.0	„	0.4					
9 „	.934	.397	73.8	65.5	8.3	60.8	.537	.65	74.8	76·9	NW b N	0.1					
10 „	.945	.405	72.0	65.0	7.0	60.9	.540	.70	74.0	76.8	„	0.2					
11 „	.936	.423	71.6	64·0	7.6	59.4	.513	.68	73.2	76.7	„	0.1					
Jan. 15th-Midnight	.932	.381	71.0	65.0	6.0	61.5	0.551	.73	72.2	76.6	NW b N	0.0					
1 a. m.	.928	.362	69.6	65.0	4.6	62.3	.566	.79	71.2	76.5	„	0.0					
2 „	.916	.432	68.8	62.0	6.8	57.6	.484	.69	71.0	76.4	„	0.0					
3 „	.909	.397	69.0	63.0	6.0	59·3	.512	.73	70.8	76.2	„	0·5					
4 „	.911	.369	69.0	64.0	5.0	61.0	.542	.77	70.1	76.0	NNW	0.8					
5 „	.912	.456	66.6	60.2	6.4	55.9	.456	.70	69.0	75.8	N b W	0.0					
6 „	.932	.435	67.6	62·0	5.6	58.4	.497	.74	69.2	75.6	„	0.1					
7 „	.970	.585	66.1	57.5	8.6	50.9	.385	.60	68.1	75.4	„	0·0					
8 „	.986	.559	68.6	60.0	8.6	53.9	.427	.61	69.1	75.3	„	0.1					
9 „	30.000	.572	71.2	61.0	10.2	54.0	.428	.57	70.2	75.4	„	0.1					
10 „	.004	.588	75.0	62.0	13.0	53.2	.416	.49	73.0	75.5	N	0.1					
11 „	29.988	.555	76.2	63.0	13.2	54.3	.433	.49	74.2	75.6	NE b N	0.2					
Noon.	.957	.483	78.0	65.0	13.0	57.0	.474	.50	75.0	75.7	„	0.1	None.			None.	
1 p. m.	.922	.411	79.0	66·5	12.5	59.3	.511	.53	76.7	76.1	NW	0.7		+	1		Above 10m.
2 „	.897	.359	81.0	68.0	13.0	60.8	.538	·52	78.0	76.2	NW b W	0.6					
3 „	.890	.293	80.2	69.5	10.7	64.0	.597	.59	78.0	76.4	WNW	0.7					
4 „	.890	.237	79.8	71.0	8.8	66.7	.653	.66	78.0	76.6	„	0.8					
5 „	.900	.275	77·7	69·5	8.2	65.4	.625	·67	77.3	76.6	NW b W	0.5					
6 „	.909	.279	75.6	69.0	6.6	65.6	.630	.73	75.8	76.6	„	0.6					
7 „	.937	.299	74.9	69.0	5.9	66.0	.638	.75	75.2	76.5	„	0.5					
8 „	.944	.284	74.5	69.5	5.0	67.0	.660	.79	75.0	76.5	„	0.3					
9 „	.965	.315	73.8	69.0	4.8	66.6	.650	.79	74.1	76.4	„	0.3					
10 „	.967	.299	72·2	69.0	3.2	67.4	.668	.86	73.0	76.4	„	0.4					
11 „	.958	.310	71.0	68.0	3.0	66.5	·648	.86	72.1	76.2	„	0.2					
Jan. 16th-Midnight	.949	.323	70.0	67.0	3.0	65.4	0.626	.86	72.0	76.2	NW b W	0.1					
1 a. m.	.951	.374	68.6	65.0	3·6	62·9	.577	.83	71.0	76.0	„	0.0					
2 „	.936	.331	69.0	66·0	3.0	64.4	.605	.86	71.0	76.0	„	0.0					
3 „	.929	.345	68.0	65.0	3.0	63.3	.584	.86	70.0	75.8	„	0·1					
4 „	.922	·358	67.0	64.0	3.0	62.2	.564	.86	69.0	75.6	NW b N	0.1					
5 „	.920	.396	66.6	62.5	4.1	60.0	.524	.81	68.5	75·4	„	0.0	None.			None.	
6 „	.928	.371	67.6	64.0	3.6	61.9	.557	.83	69.1	75.3	NNW	0·1		+	1		Above 10m.
7 „	.963	.406	67.6	64.0	3.6	61·9	.557	.83	69·1	75.1	„	0.1		+	1		Above 10m.
8 „	.988	·426	70.0	65.0	5.0	62.1	.562	.77	70.6	75.0	N b E	0.2					
9 „	30.001	.414	72.4	66.6	5.8	63.4	.587	.74	72.0	75.2	NE b N	0.2					
10 „	.007	.427	74.2	67.0	7.2	63.1	.586	.70	73.2	75.4	NE b E	0.1					
11 „	29.990	.419	75.0	67.0	8.0	62.6	.571	.67	75.0	75.4	„	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirr ⌐ cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
4	G	⌐ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°5.
6	R	" "	
5	R	" "	
5	R	" "	
4	R	" "	
6	B	" "	
7	B	⌐ scattered throughout; mist in hor.	
7	B	⌐ scattered throughout; mist and fog in hor.	
7	B	" "	
7	G	" "	
7	G	" "	
6	G	" "	
7	G	" "	
8	R	⌐ scattered throughout moving E.	
7	R	" "	
7	R	" "	
8	R	" "	
6	B	⌐ scattered throughout; haze along E hor.	
7	B	" "	
5	B	⌐ scattered about the sky.	
5	B	" "	
5	G	" "	
5	G	" "	
5	G	" "	
2	G	⌐ scattered here and there in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°5.
4	R	⌐ scattered about; dew falling.	
5	R	⌐ scattered about the sky.	
7	R	" "	
6	R	" "	
7	B	" "	
8	B	Overcast with ⌐; mist in hor.	
8	B	Overcast with ⌐ moving ENE; mist in hor.	
8	B	Overcast; mist and fog in hor.	
8	G	Overcast with ⌐ moving NE; mist and fog in hor.	
7	G	⌐ scattered throughout moving NE; mist around hor.	
7	G	" " "	
7	G	" " "	
7	R	⌐ scattered about moving E.	
7	R	⌐ scattered about moving ENE.	
5	R	" "	
4	R	⌐ scattered about hor.	
2	B	⌐ scattered about hor; haze along E hor.	
1	B	⌐ scattered around hor; haze along E hor.	
0	B	Cloudless.	
0	B	"	
0	G	Cloudless; dew falling	
0	G	" "	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°5.
0	R	" "	
0	R	A few ⌐ in hor; dew falling.	
0	R	" "	
2	R	⌐ scattered about; dew falling.	
4	B	" "	
4	B	" "	
2	B	⌐ scattered about hor; mist and fog in hor.	
0	B	A few ⌐ in hor; mist and fog in hor.	
0	G	Mist and fog in hor.	
0	G	" "	
0	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 16th-Noon.	29.963	29.390	78°0	68°2	9°8	63°0	0.578	0.62	75°8	75°6	NW	0.4		+	1		Above 10m.
1 p. m.	.938	.413	79.2	67.0	12.2	60.1	.525	.54	77.0	76.0	„	0.8					
2 „	.915	.318	80.2	69.5	10.7	64.0	.597	.59	78.0	76.2	NW b W	0.8		+	1		Above 10m.
3 „	.904	.290	80.2	70.0	10.2	64.8	.614	.61	78.0	76.4	„	0.8					
4 „	.908	.292	80.0	70.0	10.0	64.9	.616	.62	78.0	76.5	NW	0.7					
5 „	.932	.316	77.6	69.2	8.4	64.9	.616	.67	77.3	76.5	N W b N	0.3					
6 „	.936	.316	75.0	68.5	6.5	65.1	.620	.73	75.3	76.5	NW	0.5	None.			None.	
7 „	.953	.381	73.8	66.6	7.2	62.7	.572	.70	74.3	76.4	N W b N	0.4					
8 „	.976	.349	73.4	68.5	5.9	65.1	.627	.74	74.0	76.3	„	0.2					
9 „	.991	.354	72.0	68.0	4.0	65.9	.637	.82	73.0	76.2	NNW	0.1					
10 „	.992	.400	70.2	66.0	4.2	63.7	.552	.81	72.0	76.0	„	0.1		+	1		Above 10m.
11 „	.980	.414	69.6	65.0	4.6	62.3	.566	.79	71.2	75.9	„	0.1					
Jan. 17th-Midnight	.977	.411	69.6	65.0	4.6	62.3	.566	.79	71.2	75.8	NNW	0.0		+	1		Above 10m.
1 a. m.	.960	.338	70.4	67.0	3.4	65.2	.622	.84	71.0	75.8	„	0.0		+	20	20	Above 10m.
2 „	.951	.367	68.0	65.0	3.0	63.3	.584	.86	70.0	75.6	N b W	0·0		+	4		Above 10m.
3 „	.944	.349	67.0	65.0	2.0	63.9	.595	.90	69.0	75.5	„	0.0		+	2		Above 10m.
4 „	.941	.437	67.0	62.0	5.0	58.9	.504	.77	69.0	75.4	„	0.0		+	20	20	Above 10m.
5 „	.946	.478	65.6	60.2	5.4	56.7	.463	.74	68.0	75.2	„	0,0					
6 „	.961	.537	65.2	58.6	6.6	53.7	.423	.68	67.0	75.0	„	0.0					
7 „	.997	.444	65.0	59.5	5.5	55.7	.453	.74	67.0	74.7	„	0.1					
8 „	30.022	.547	69.6	62.0	7·6	57.1	.475	.67	69.6	74.5	N b E	0.1					
9 „	.050	.564	71.4	63.0	8.4	57.8	.486	.64	71.0	74.7	NE b N	0.2					
10 „	.051	.520	72.8	65.0	7.8	60.4	.531	.67	72.3	74.8	NE	0.3					
11 „	.034	.527	75.0	65.0	10.0	59.0	.507	.59	73.5	74.9	„	0.2					
Noon.	.000	.442	79.2	68.0	11.2	61.9	.558	.57	75.0	75.1	NNW	0.4	None.				
1 p. m.	29.964	.455	80.6	67.0	13.6	59.2	.509	.50	77.0	75.6	NW	0.6					
2 „	.941	.399	80.6	68.0	12.6	61.0	.542	.53	77.8	75.7	„	0.7					
3 „	.924	.351	80.8	69.0	11.8	62.7	.573	.56	78.0	76.0	„	0.7					
4 „	.922	.358	79.6	68.3	11.3	62.2	.564	.57	78·0	76.2	NNW	1.0					
5 „	.923	.341	77.0	68.0	9.0	63.2	.582	.64	77.0	76.2	„	0.6					
6 „	.922	.355	75.4	67.0	8.4	62.4	.567	.65	76.1	76.2	NW b N	0.7					
7 „	.941	.402	75.0	66.0	9.0	60.9	.539	.64	75.8	76.1	„	1.0		+	2		Above 10m.
8 „	.958	.298	74.5	69.5	5.0	67.0	.660	.79	75.0	76.0	NNW	0.7		+	1		Above 10m.
9 „	.973	.323	73.8	69.0	4.8	66.6	.650	.79	73.7	75.9	N b W	0.6					
10 „	.965	.317	71·0	68.0	3.0	66.5	.648	.86	73.0	75.8	„	0.4					
11 „	.962	.336	70.0	67.0	3.0	65.4	.626	.86	71.9	75.8	„	0.5					
Jan. 19th-Midnight	.989	.337	70.6	68.0	2·6	66.6	.652	.88	72.0	75.6	NW b N	0.4		+	20	20	Above 10m.
1 a. m	.983	.315	69.2	68.0	1.2	67.4	.668	.94	71.0	75.6	„	0.1		+	20	20	Above 10m.
2 „	.975	.280	69.2	68.8	0.4	68.6	.695	.98	71.0	75.6	„	0.0		+	4		Above 10m.
3 „	.969	.336	69.4	67.0	2·4	65.7	.633	.89	71.0	75.5	„	0.0		+	2		Above 10m.
4 „	.970	.329	68.6	67.0	1.6	66.1	.641	.93	70.6	75.4	„	0·0		+	1		Above 10m.
5 „	.961	.320	68.6	67.0	1.6	66.1	.641	.93	70.2	75.2	N b W	0.0					
6 „	.967	.326	68.6	67.0	1.6	66.1	.641	.93	70.0	75.2	N	0.1					
7 „	30.009	.364	68.3	67.0	1.3	66.3	.645	.94	69.8	75.0	N b E	0.1					
8 „	.038	.408	69.6	67·0	2.6	65·6	.630	.88	70.6	75.0	NNE	0.2					
9 „	.056	.430	70.0	67.0	3.0	65.4	.626	.86	72.1	75.0	NE b N	0.3					
10 „	.050	.442	72.4	67.4	5.0	64.5	.608	.78	72.5	75.0	NE	0.4					
11 „	.032	.424	74.6	68.0	6.6	64.5	.608	.72	73.8	75.1	„	0.3	None.				
Noon.	29.999	.339	76.0	70.0	6.0	67.0	.660	.75	74.9	75.2	„	0.2		+	1		Above 10m.
1 p. m.	.967	.351	80.0	70.0	10.0	64.5	.616	.62	77.0	75.5	ENE	0.4					
2 „	.948	.397	79.8	68.0	11.8	61.5	.551	.56	77.0	75.8	W b N	0.7					
3 „	.942	.324	79.8	70.0	9.8	65.0	.618	.62	77.4	76.0	NW b W	0.8					
4 „	.942	.319	79.4	70.0	9.4	65.3	.623	.63	77.2	76.2	„	0.6					
5 „	.952	.350	77.6	69.0	8.6	64.5	.608	.66	76.5	76.1	„	0.6					
6 „	.956	.352	75.0	68.0	7.0	64·3	.604	.71	75.6	76.1	„	0.3					
7 „	.965	.348	73.8	68.0	5.8	65.0	.617	.75	74.1	76.1	„	0.2					
8 „	.969	.362	71.7	67.0	4.7	64.5	.607	.80	72.7	76.0	„	0.0					
9 „	.975	.360	71.0	67.0	4.0	64.9	.615	.81	72.0	75.9	„	0.0		+	8		1.00
10 „	.975	.353	70.4	67.0	3.4	65.2	.622	.85	71.5	75.7	„	0.2		+	20	20	Above 10m.
11 „	.976	.354	70.4	67.0	3.4	65.2	.622	.85	71.5	75.6	„	0.1		+	20	20	Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌐ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
0	G	Mist around hor.	
0	R	" "	
1	R	⌐ scattered above W hor. light mist along E hor.	
2	R	⌐ scattered about hor; light mist along E hor.	
2	R	" " "	
4	B	⌐ scattered about moving E; light mist in E hor.	
3	B	⌐ scattered about W hor.	
1	B	⌐ scattered around hor.	
0	B	A few ⌐ along E hor.	
0	G	A few ⌐ along E hor; dew falling.	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°5.
0	R	A few ⌐ in hor; dew falling.	
0	R	" "	
0	R	" "	
0	R	" "	
1	B	⌐ scattered along E hor; dew falling.	
3	B	⌐ scattered about hor; mist around hor.	
2	B	⌐ scattered about hor; mist and fog in hor.	
2	B	" "	
2	G	" "	
4	G	⌐ scattered about; mist around hor.	
4	G	" "	
6	G	⌐ and light patches of ⌐ scattered about.	
7	R	Densely clouded with ⌐ moving E.	
7	R	Densely clouded with ⌐ moving SE.	
7	R	Clouded as before.	
7	R	" "	
7	G	" "	
7	G	" "	
7	G	" "	
4	G	⌐ scattered about; dew falling.	
2	G	⌐ scattered about hor; dew falling.	
0	G	A few ⌐ in hor; dew falling.	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°4.
0	R	" "	
0	R	A few clouds in W hor; dew falling.	19th January was the 1st day on which wind blew abnormally.
0	R	" "	
0	R	" "	
0	B	Cloudless; dew falling.	
3	B	⌐ scattered about W hor; dew falling.	
5	B	⌐ scattered about; a few pieces of ⌐ about W hor.	
6	B	⌐ and ⌐ scattered about; mist and fog in hor.	
6	G	" " "	
7	G	⌐ scattered about moving E; mist and fog in hor.	
7	G	" " "	
7	G	" " "	
4	R	⌐ scattered about the sky.	
4	R	" "	
3	R	" "	
1	R	⌐ scattered about hor; light mist along E hor.	
0	B	A few ⌐ in hor; mist along E hor.	
0	B	" "	
0	B	Cloudless.	
0	B	Cloudless; dew falling	
0	G	" "	
0	G	" "	
0	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 20th-Midnight	29.977	29.351	70°0	67°0	3°0	65°4	0°626	0.86	71°4	75°5	NW b W	0.2		+	10	8	1.21
1 a. m.	.977	.343	70.5	67.4	3.1	65.8	.634	.86	71.4	75.4	„	0.1					
2 „	.966	.305	70.4	68·2	2.2	67.1	.661	.90	71.4	75.4	NW	0.3					
3 „	.953	.323	69.6	67.0	2.6	65.6	.630	.88	70.6	75.3	NNE	0.1					
4 „	·949	.303	69.4	67.4	2.0	66.4	.646	.91	70.4	75.2	„	0.2					
5 „	.953	.353	68.0	65.5	2.5	64.1	.600	.88	69.5	75.1	„	0.0					
6 „	.962	.335	67.0	66.0	1.0	65.4	.627	.95	69.0	75.0	„	0.1					
7 „	.989	.373	68.0	66.0	2.0	64.9	.616	.91	69.0	74.7	„	0.1					
8 „	30.008	·358	69.6	67.6	2.0	66.6	.650	.91	70.2	74.6	„	0.1					
9 „	.016	.397	71.4	67.4	4·0	65·1	.619	.82	71.5	74.6	„	0.2					
10 „	.015	.395	73.5	68.0	5.5	65.1	.620	.76	73.2	74.8	„	0.3		+	1		Above 10m.
11 „	29.995	.385	76.0	68.5	7.5	64.6	.610	.69	74.1	75.0	„	0·2					
Noon.	.969	.365	78.0	69·0	9.0	64.3	.604	.64	75.3	75.2	„	0.2	None.			None.	
1 p. m.	.930	.403	79.0	67.0	12.0	60.2	.527	.54	76.0	75.5	NW	0.4					
2 „	.905	.323	80.0	69.0	11.0	63.2	.582	.58	77.0	75.8	NW b W	0.5					
3 „	.907	.302	79.5	69.5	10.0	64.4	.605	.62	77.0	75.9	„	0.6					
4 „	.917	.324	79.0	69·0	10.0	63.8	.593	.61	77.0	76.0	„	0.7					
5 „	.939	.336	76.9	68.6	8.3	64.3	.603	.67	76.0	76.0	„	0.5					
6 „	.946	.339	74.7	68.0	6.7	64.5	.607	.72	75.0	76.0	„	0.3					
7 „	.962	.364	74.0	67.5	6.5	64.0	.598	.72	74.2	76.0	„	0·3					
8 „	.976	.361	74.0	68.0	6.0	64.9	.615	.74	74.2	76.0	„	0.3					
9 „	.983	.366	73.8	68.0	5.8	65.0	.617	.75	74.0	75.8	„	0.2					
10 „	.983	.357	73.0	68.0	5.0	65.4	.626	.78	73.7	75.6	NW	0.1					
11 „	.975	.373	72·2	67.0	5.2	64.2	.602	.77	72.0	75.6	„	0.2					
Jan. 21st-Midnight	.949	.312	72.0	68.0	4.0	65.9	.637	.82	72.0	75.6	E	0.5					
1 a. m.	.935	.277	71.6	68.5	3.1	66.6	.650	.86	71.8	75.6	„	0.5					
2 „	.916	.256	71.4	68.5	2.9	67.0	.660	.86	72.0	75·5	„	0.6					
3 „	.914	.252	71.2	68.5	2·7	67.1	.662	.88	72.0	75.5	E b S	0.5					
4 „	.906	.256	70.8	68.0	2.8	66.6	.650	.87	71.5	75.4	„	0.2					
5 „	.892	.252	70.5	67.6	2.9	66.1	.640	.86	71.5	75.3	„	0.4					
6 „	.901	.270	69.5	67.0	2.5	65.6	.631	.89	70.5	75.2	E	0·3					
7 „	.928	.291	69.0	67.0	2.0	65.9	.637	.91	70.2	75.1	ESE	0.5					
8 „	.938	.266	71.8	69.0	2.8	67.6	.672	.89	71.8	75.1	SE	0.8					
9 „	.949	.270	74·3	70.0	4.3	67.9	.679	.81	73.2	75.2	„	0.6					
10 „	.945	.305	77.8	70.0	7.8	66.1	.640	.69	75.1	75.5	S	1.0	None.	None.	None.	None.	None.
11 „	.933	.250	78.4	71.4	7.0	68.1	.683	.72	76.5	75.8	„	1.6					
Noon.	.922	.260	79.0	71.0	8.0	67.1	.662	.68	78.0	76.0	SSW	1.7					
1 p. m.	.893	·204	79.8	72.0	7.8	68·8	.689	.69	78·6	76.4	S	1.0					
2 „	.880	.149	79.4	73.0	6.4	70.2	.731	.74	78.5	76.5	S b W	1.0					
3 „	.878	.250	82.0	71.0	11.0	65.5	.628	.59	79.7	76.8	SW	0.8					
4 „	.880	.249	81.8	71.0	10.8	65.6	.631	.60	79.7	76.8	„	0.3					
5 „	.884	.257	79·0	70.0	9.0	65.4	.627	.65	78.0	76.9	„	0.6					
6 „	.888	·249	76.8	69·5	7.3	66.0	.639	.70	76.8	76.9	SW b W	0.5					
7 „	.889	.230	76.1	70.0	6.1	67.0	.659	.75	76.1	76.8	SW	0.1					
8 „	.892	·223	75.8	70.2	5.6	67.4	.669	.77	76.0	76.8	SW b S	0·5					
9 „	.892	·197	76.0	71.0	5.0	68.6	.695	.79	76.0	76.8	„	1.0					
10 „	.893	·210	75.8	70.6	5.2	68.1	·683	·78	76.0	76.8	„	1.0					
11 „	.887	.204	75.8	70.6	5.2	68.1	.683	.78	76.0	76.8	S b W	1.0					
Jan. 22nd-Midnight	.870	.187	75.8	70.6	5.2	68.1	.683	.78	76.0	76.8	S b W	1.4					
1 a. m.	.870	.175	76.0	71.0	5.0	68.6	.695	.79	76·0	77.0	„	½ to 2½					
2 „	.871	.118	74.0	72.0	2.0	71.1	.753	.91	75.0	76.8	WSW	½ to 1¾	0.10				
3 „	.853	.187	73.8	72.3	1.5	71·6	.766	.93	75.0	76.8	SSW	½ to 2					
4 „	.868	.160	71.6	70.0	1.6	69.2	.708	.93	73.2	76.7	WNW	½ to 1¾	0·30				
5 „	.889	.181	71.6	70.0	1.6	69.2	.708	.93	73.0	76.7	NW b W	½ to 2					
6 „	.915	.256	73.0	69.0	4·0	67.0	.659	.82	73.0	76.5	NW	½ to 1¾		None.	None.	None.	None.
7 „	.971	.319	70.6	68.0	2.6	66·6	.652	.88	72.0	76.4	N b W	0 to 2½	0.01				
8 „	30.013	.427	69.3	65.5	3.8	63.4	.586	.83	71.2	76.2	„	0 to 1½					
9 „	·050	.462	70.5	66.0	4.5	63.5	.588	.80	71.5	76.1	„	½ to 1¾					
10 „	.058	.533	70·5	64.0	6.5	60.1	.525	.71	71.3	76.0	„	0 to 1¼					
11 „	.048	.495	70·8	65·0	5.8	61.6	.553	.74	72.0	75.9	N	½ to 1¼					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≤≤ nimbi.	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°3.
0	N	" "	
0	N	" "	
0	B	" "	
0	B	" "	20th January was the 2nd day on which the direction of wind was abnormal.
0	B	Patches of ≤≤ scattered above W hor; dew falling.	
3	B	≤ above E hor, ≤≤ scattered about; dew falling.	
5	B	≤≤ scattered about moving E; mist and fog in hor.	
1	B	≤≤ scattered about hor; mist and fog in hor.	
1	G	" "	
0	G	A few pieces of ≤≤ scattered here and there; mist in hor.	
0	G	" " "	
0	G	" " "	
0	R	Patches of ≤≤ scattered about.	
0	R	" "	
0	R	≤≤ scattered about hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°3.
0	G	"	
1	G	A few ≤ around hor.	
3	G	≤ scattered about hor.	
2	G	" "	21st January was the 3rd day on which the direction of wind was abnormal.
2	B	≤≤ scattered about hor.	
1	B	" "	
2	B	≤≤ scattered about hor; fog along E hor.	
1	B	≤≤ and fog along E hor.	
1	G	" "	
3	G	≤≤ scattered about hor; fog along E hor.; fresh breezes of wind.	
3	G	≤≤ scattered about hor; fresh breezes of wind.	
4	G	≤≤ scattered about moving NE.	
5	R	" "	
6	R	≤≤ scattered about moving NNE.	
4	R	" "	
3	R	≤≤ scattered about moving NE.	
2	B	≤≤ scattered about hor.	
3	B	" "	
3	B	" "	
2	B	" "	
2	G	≤≤ scattered about hor; fresh breezes of wind.	
2	G	" " "	
2	G	" " "	
4	G	≤≤ scattered about; fresh breezes of wind from S; a few drops of rain fell at 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 83°2. Daily fall of rain by Osler's Gauge 0.39 in. 22nd January was the 4th day on which wind blew abnormally; It was the 1st rainy day.
8	R	Overcast with ≤≤ moving NE; gusts of wind from S; light rain between 1h. 30m. and 1h. 50m.	
8	R	Overcast; no rain but wind strongly blowing from S.	
8	B	Overcast; strong wind from W; light rain from 3h. 10m. to 3h. 30m.	
8	B	Overcast; strong wind from W.	
8	G	Overcast; a few drops of rain at the time of observation.	
8	G.	Overcast with ≤≤ moving E; strong wind from W; slight rain between 6h. 40m. and 6h. 59m.	
8	R	Overcast with ≤≤ moving SE. fresh breezes of wind from W.	
8	R	Overcast; fresh breezes of wind.	
8	B	" " "	
8	B	" " "	
8	G	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 22nd-Noon.	29.042	29.495	71°4	65°0	6°4	61°3	0.547	0.72	72°9	75°7	N b W	0.7					
1 p.m.	.032	.506	73.3	65.0	8.3	60.1	.526	.65	72.7	75.8	NNW	0.8					
2 „	.025	.512	70.3	63.5	6.8	59.4	.513	.70	71.0	75.6	N b W	1.0					
3 „	.017	.518	70.2	63.0	7.2	58.9	.499	.68	71.0	75.4	NNW	0.6					
4 „	.026	.521	69.6	63.0	6.6	58.6	.505	.71	70.6	75.3	„	0.3					
5 „	.030	.525	69.6	63.0	6.6	58.9	.505	.71	70.0	75.2	„	0.3	None.	None.	None.	None.	None.
6 „	.037	.514	68.0	63.0	5.0	60.0	.523	.77	70.0	75.1	N b W	0.4					
7 „	.046	.516	67.4	63.0	4.4	60.4	.530	.79	69.0	75.0	NNW	0.8					
8 „	.051	.517	67·0	63.0	4.0	60.6	.534	.81	69.0	74.8	„	0.4					
9 „	.048	.514	67.0	63.0	4.0	60.6	.534	.81	68.0	74.8	„	0.4					
10 „	.044	.521	65.3	62.0	3.3	60.0	·523	.84	67.2	74.5	N b W	0.1					
11 „	.043	.506	64.0	62.0	2.0	60.8	.537	.90	66.0	74.3	N	0.2					
Jan. 23rd-Midnight	30.044	.536	64·0	61.0	3.0	59.1	0.508	.85	66.0	74.2	N	0.4					
1 a. m.	.042	.545	63.4	60.4	3.0	58.4	.497	.85	65.5	74.0	„	0.6					
2 „	.032	.560	62.0	59.0	3.0	56.9	.472	.85	64.5	73.7	„	0.8					
3 „	.028	.552	61.6	59.0	2.6	57.2	.476	.87	64.0	73.3	„	0.5					
4 „	.042	.594	61.6	58.0	3.6	55.3	.448	.82	64.0	73.0	N b E	0.5					
5 „	.038	.583	61·0	58.0	3.0	55.8	.455	.84	63.0	73.0	N	0.2					
6 „	·046	.613	60.5	57.0	3.5	54.3	·433	.82	63.0	72.8	N b W	0.0					
7 „	.080	.657	60.2	56.5	3.7	53.7	.423	.81	62.6	72.6	„	0.1					
8 „	.093	.649	62.0	58.0	4.0	55.1	.444	.80	63.5	72.4	„	0.1	None.	None.	None.	None.	None.
9 „	.108	.658	64.8	59.0	5.8	55.5	.450	.72	64.8	72.3	„	0.1					
10 „	.104	.657	67.6	60.2	7.4	55.3	.447	.66	66.0	72.4	NNE	0.1					
11 „	.072	.635	70.4	61·0	9·4	54.6	.437	.59	69.0	72.6	„	0.2					
Noon.	.049	.577	72.6	63.0	9.6	56·9	.472	.60	70.0	72·8	NNW	0.4					
1 p. m.	.008	.523	74.2	64.0	10.2	57.7	.485	·58	71.9	73.0	NW	0.6					
2 „	29·980	.477	75.4	66.0	10.4	58.8	.503	.58	72.8	73.2	NW b N	0.8					
3 „	.959	.428	75.7	67.0	9.7	60.4	.531	·61	73.0	73.3	„	1·0					
4 „	.947	.376	75.0	66.0	8.0	62.6	.571	.67	73.0	73.6	„	1.0					
5 „	.952	.359	73.0	67.0	6.0	63.8	.593	.74	73.2	73.6	NNW	1.0					
6 „	.959	.404	70.6	65.0	5.6	61.8	.555	.75	71·0	73.5	N b W	1.4					
7 „	.964	.463	70.0	63.0	7.0	58.7	.501	.69	70.5	73.5	„	1.2					
8 „	.975	.509	69.1	61.5	7.6	56.5	.466	.66	69.5	73.4	„	1.0					
9 „	.980	.506	68.0	61.5	6.5	57·0	.474	.72	69.0	73.4	„	0.7					
10 „	.971	.485	66·0	61.0	5·0	57.8	.486	.76	66.9	73.3	„	0.7					
11 „	.967	.530	65.8	60.0	5.8	56.1	.437	.72	67.2	73.0	„	0.5					
Jan. 24th-Midnight	.946	·508	65.0	59.0	6.0	54.7	.438	.71	66.2	72.8	N b W	0.6					
1 a. m.	.933	.479	63.6	59.0	4·6	55.7	.454	.77	65.6	72.6	N	0.4					
2 „	.915	.494	64.0	58.0	6.0	53.5	.421	.71	65.8	72.6	„	0.1					
3 „	.897	.499	63.6	57.0	6·6	51.9	.398	.68	65.0	72.6	„	0.6					
4 „	.898	.493	63.0	57.0	6·0	52.4	.405	.70	65.0	72.4	„	0.5					
5 „	.900	.483	62.0	57.0	5.0	53.2	.417	.75	64.0	72.2	„	0.4					
6 „	.906	.489	62.0	57.0	5.0	53.2	.417	.75	64.0	72.0	„	0.3					
7 „	.923	·469	63.6	59.0	4.6	55.7	.454	.77	65·0	71.8	„	0.2					
8 „	·946	.454	66.5	61.5	5.0	58.1	.492	.77	66.0	71.8	„	0.1					
9 „	.959	.473	68.6	62.0	6.6	57.8	·486	.70	68.0	71.9	NE b N	0.2					
10 „	.953	.434	72.5	64.5	8.0	59.7	·519	.66	70.9	72.1	NNE	0.2					
11 „	.918	·382	75.3	66.0	9.3	60.7	.536	.62	73.0	72.4	NE b E	0.2					
Noon.	·892	.335	77.7	67.5	10.2	61.9	.557	.60	74.2	72.9	NNW	0.4	None.	None.	None.	None.	None.
1 p. m.	.860	.260	78.4	69.0	9.4	64.1	.600	.63	75.4	73.3	NW b N	0.6					
2 „	.847	.254	79.0	69.0	10.0	63.8	.593	.61	76.0	73.6	NW	0.8					
3 „	.832	.207	79.2	70.0	9.2	65·4	.625	.64	76.6	73.8	„	0.8					
4 „	.839	.208	78.6	70.0	8.6	65.6	.631	.66	76.0	73.8	NW b N	1.0					
5 „	.853	.140	76.0	71.5	4.5	69.4	.713	.81	75.1	73.8	NNW	0.8					
6 „	.860	.241	73.6	68.0	5.6	65.1	·619	.76	74.0	73.7	„	0.7					
7 „	.878	.248	72.6	68.0	4.6	65.6	.630	.80	73.2	73.7	„	0.3					
8 „	.904	.267	72.0	68.0	4.0	66.9	.637	.82	73.0	73.7	„	0.1					
9 „	.907	.270	72.0	68.0	4·0	66.9	.637	.82	75.8	73.6	N b W	0.1					
10 „	.910	.291	70.6	67·0	3.6	65.1	.619	.84	71.2	73.6	„	0.2					
11 „	.898	.295	69.2	66.0	3.2	64·3	.603	.85	70.0	73.5	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
7	G	scattered throughout moving E; a few light scattered here and there.	
8	R	Overcast with moving E.	
8	R	" "	
8	B	Overcast with moving SE.	
7	B	scattered throughout moving SE.	
6	G	" "	
4	G	scattered here and there in the sky.	
0	R	Cloudless except in hor.	
0	R	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 83°1. The Height of Barometer corrected for Temperature at 9 A.M. was 30·108 in. greatest during the month and 0.129 in. greater than the Normal Mean; readings of dry and wet bulb thermometers at 7 A.M. were respectively 60°2 and 56°5 lowest during the month; the former was about 11.0 lower than the Normal Mean and the latter was 10°1 lower than the Normal Mean for that hour.
0	R	" "	
0	R	" "	
0	R	" "	
0	R	" "	
0	B	" "	
0	B	A few patches of in E hor.	
0	B	Mist and fog in hor.	
0	B	" "	
0	G	" "	
0	G	A few clouds along E hor.; mist in hor.	
0	G	" "	
0	G	" "	
0	R	A few clouds along E hor.	
0	R	" "	
0	R	Cloudless.	23rd January was the 3rd day on which the sky remained almost cloudless.
0	R	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0.
0	R	Cloudless.	24th January was the 4th day on which the sky remained almost cloudless.
0	R	"	
0	R	"	
0	R	"	
0	G	"	
0	G	"	
0	G	Mist and fog in hor.	
0	G	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	" "	
0	B	Cloudless.	
0	R	"	
0	R	A few pieces of along E hor.	
0	R	A few clouds and mist along E hor.	
0	R	" "	
0	B	" "	
0	B	Light mist along E hor.	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 26th-Midnight	29.908	29.263	72°0	68°0	4°0	65°9	0.637	0·82	74°0	75°0	N b W	0.2					
1 a. m.	.908	·204	72·0	70.0	2.0	69.0	.704	.91	73.0	75.0	NE	0.5					
2 „	.908	.204	72.0	70.0	2.0	69.0	.704	.91	72.5	75.0	NE b E	0.4					
3 „	.902	.189	71.2	70.0	1.2	69.4	.713	.95	72.5	75.0	E b S	0.4					
4 „	.898	·162	72.3	71.0	1.3	70.4	.736	.94	73.0	75.0	„	0.5					
5 „	.906	·232	71.6	69.0	2.6	67.7	.674	.88	72.3	75.0	„	0.2					
6 „	.924	·269	70.3	68·0	2.3	66.8	.655	.89	71.3	74.8	E b N	0.1					
7 „	.958	.319	70.3	67.5	2.8	66.0	.639	.87	71.3	74.8	„	0.1					
8 „	.992	.358	72.3	68.0	4.3	65.8	.634	.81	72.6	74.8	„	0.2					
9 „	30.008	·492	74.2	65·0	9.2	59.6	.516	.62	73.8	74.9	ENE	0.2					
10 „	.006	.413	76.0	68.0	8.0	63.8	.593	.67	75·0	75.0	„	0.3					
11 „	29.985	.372	78.8	69.5	9.3	64.8	.613	.63	76.1	75.2	„	0.2	None.			None.	
Noon.	.955	.339	80.0	70.0	10.0	64 9	.616	.62	78.2	75.4	„	0.3					
1 p. m.	·910	·284	85.5	72.0	13.5	65.4	.526	.53	81.0	76.0	NW b W	0.4		+	2		1.00
2 „	.885	·161	83.4	74.0	9.4	69.9	.724	.65	80.0	76.2	„	0.5		+	1		3.10
3 „	·876	·148	83.0	74.0	9.0	70.0	.728	.66	80.0	76.4	„	0.6					
4 „	·874	.126	81.8	74.2	7.6	70.8	.748	.71	80.0	76.6	NW	0.6					
5 „	.888	.161	79.7	73.0	6.7	70.0	.727	.73	78.5	76.5	„	0.5					
6 „	.892	.172	77·0	72.0	5.0	69.7	.720	.79	77.0	76.5	NW b N	0.5					
7 „	.912	.208	75.8	71.2	4.6	69.0	.704	.81	76.5	76.5	NNW	0.4					
8 „	.941	.265	75.2	70.2	5.0	67.8	.676	.79	75.7	76.4	„	0.2					
9 „	·959	·288	75.0	70.0	5.0	67.5	.671	.79	75.0	76.3	N b W	0.1					
10 „	·957	.277	74.2	70.0	4.2	66.9	.680	.82	74.0	76.3	N	0.3					
11 „	.941	·257	73.8	70.0	3.8	68.1	.684	.83	73.8	76.1	„	0.0					
Jan. 27th-Midnight	.927	.243	73.8	70.0	3.8	68.1	.684	.83	73.8	76.0	N	0.0		+	1		Above 10m.
1 a. m.	.916	.181	72.4	71.0	1.4	70·3	.735	.94	73.8	76.0	„	0.0		+	1		Above 10m.
2 „	.902	.209	73.0	70.0	3.0	68.5	·693	.87	74.0	76.0	NNE	0.4					
3 „	.890	.197	73.0	70.0	3.0	68.5	.693	.87	74·0	76.0	NE b N	0.5					
4 „	.889	.196	73.0	70·0	3.0	68.5	.693	.87	73.7	76.0	NE	0.6					
5 „	.899	.236	72.6	69.0	3.6	67.2	.663	.84	73.2	76.0	„	0.3					
6 „	.919	.252	72.3	69.0	3.3	67.3	.667	.85	73.2	76.0	„	0.3					
7 „	.953	.287	72.4	69.0	3.4	67.3	.666	.85	73.5	75.8	„	0.4					
8 „	.979	.331	74.0	69.0	5.0	66.5	.648	.78	74.0	75·7	„	0.4					
9 „	30.000	.334	77.0	70.5	6.5	67.3	·666	.72	75.9	75.8	„	0.5					
10 „	.001	.350	80.0	71.0	9.0	66.6	.651	.65	78.0	76.0	ENE	0.4					
11 „	29.985	.321	80.5	71.5	9.0	67.2	.664	.66	78.3	76.3	„	0.5	None.				
Noon.	.964	.366	84.7	71.0	13.7	64.0	.598	.52	80.2	76.7	„	0.3					
1 p. m.	.931	.195	85.7	75.0	10.7	70.4	.736	.61	82.0	77.2	W	0.4		+	10	10	Instantly.
2 „	.907	.196	84.6	74.0	10.6	69.3	.711	.62	81.7	77.3	W b N	0.5					
3 „	.891	.152	84.4	74.7	9.7	70.5	.739	.64	81.5	77.4	NW b W	0.5					
4 „	.895	.133	83.4	75.0	8.4	71.4	.762	.68	81.0	77.6	„	0.8					
5 „	.894	.144	81.0	74.0	7.0	71.0	.750	.73	80.0	77.5	„	0.5					
6 „	.899	.160	78.6	73.0	5.6	70.5	.739	.77	78.3	77.5	NW	0.6					
7 „	.905	.203	77.0	71.5	5.5	68.9	.702	.77	77.3	77.5	NNW	0.8					
8 „	.936	·252	77.0	71.0	6.0	68.1	.684	.75	77.3	77.4	„	0.7					
9 „	.949	.262	76.7	71.0	5.7	68.2	.687	·76	77.0	77.4	N	0·6					
10 „	.961	.285	75.2	70.2	5.0	67.8	.676	.79	76.1	77.4	N b E	0.2					
11 „	.952	.276	75.2	70.2	5.0	67.8	.676	.79	76.0	77.3	„	0.1					
Jan. 28th-Midnight	.934	.279	73.4	69.0	4·4	66.8	.655	.81	74.1	77.0	N b E	0.0		+	2		Above 10m.
1 a. m.	.917	.258	73.0	69.0	4.0	67.0	.659	·82	73·5	77.0	„	0.0		+	3		Above 10m.
2 „	.902	.254	74.0	69·0	5.0	66.5	.648	.78	74.4	77.0	„	0.0		+	2		Above 10m.
3 „	.894	.276	73.7	68.0	5.7	65.0	.618	.76	74.5	76·9	NE b N	0.2		+	1		Above 10m.
4 „	.893	.269	73.2	68.0	5.2	65.3	.624	.76	74.0	76.9	„	0·6		+	1		Above 10m.
5 „	.897	.271	73.0	68.0	5.0	65.4	.626	.78	74.0	76.8	NE	0.0		+	1		Above 10m.
6 „	.910	.353	71.0	65.2	5.8	61.9	·557	.74	73.0	76.6	„	0.1	None.	+	1	None.	Above 10m.
7 „	.948	.411	72.3	65.0	7.3	60·8	.537	.69	73·0	76.4	„	0.1					
8 „	.968	.413	75.0	66.5	8.5	61.8	.555	.65	74.5	76.3	„	0.2					
9 „	.989	.462	79.0	67.0	12.0	60.2	.527	.54	76.0	76.6	NE b N	0.4					
10 „	.980	.440	80.8	68.0	12.8	60.9	.540	·53	78.8	77.0	NNE	0.2					
11 „	.960	.395	85.2	70.2	15.0	62.3	·565	48	80.9	77.2	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ∩ cumuli; ≈ cirro-strati; ∩ cumulo-strati; and ≈ nimbi.	
2	G	≈ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0.
3	R	≈ scattered about; dew falling.	
3	R	" "	
5	R	" "	
3	R	" "	
2	B	≈ scattered about hor.; dew falling.	
2	B	" "	
1	B	≈ mist and fog in hor.	
0	B	A few pieces of ≈ above SE hor.; mist and fog in hor.	
0	G	" " "	
1	G	≈ scattered in W; mist in hor.	
0	G	A few clouds and mist in hor.	
0	G	" "	
1	R	≈ scattered along E hor.	
4	R	∩ along E hor.; ≈ scattered about moving E.	
8	R	" "	
8	R	" "	
8	B	∩ and ≈ around hor.; ≈ scattered about the sky.	
8	B	" "	
8	B	" "	
6	B	≈ around hor; ≈ scattered about the sky.	
3	G	≈ and ≈ scattered about.	
3	G	Patches of ≈ scattered here and there, dew falling.	
4	G	" "	
4	G	≈ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°0 and 83°0. Temperature of Evaporation at 1 P.M. was 75°0 highest during the Month and about 5°0 higher than the Normal Mean.
2	R	≈ scattered about hor.; dew falling.	
4	R	" "	
4	R	≈ scattered here and there; dew falling.	
4	R	" "	
3	B	≈ scattered about hor.	
7	B	≈ scattered about the sky.	
7	B	≈ scattered about moving NNE; light ≈ here and there observed; mist in hor.	
7	B	Densely clouded with ≈ moving N; mist in hor.	
7	G	Clouded as before; mist in hor.	
4	G	≈ scattered about; mist in hor.	
6	G	≈ and ≈ scattered about; mist in hor.	
6	G	" "	
3	R	∩ along E hor.; ≈ and ≈ scattered about.	
2	R	∩ along E hor.; ≈ and ≈ scattered around hor.	
2	R	" "	
2	R	≈ and ≈ scattered about the sky.	
2	B	≈ scattered about hor.	
2	B	" "	
1	B	A few pieces of clouds along E hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°2 and 83°0.
0	R	" "	
0	R	Cloudless; no dew.	
0	R	A few ≈ along E hor.	
4	R	≈ scattered here and there.	
3	R	" "	
7	B	Densely clouded with ≈ moving N.	
8	B	Overcast; mist and fog in hor.	
8	B	Densely clouded; mist and fog in hor.	
7	G	≈ scattered about; mist in hor.	
5	G	" "	
3	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 28th-Noon.	29.928	29.348	86°4	71°0	15°4	63°1	0.580	0.47	82°0	77°4	WNW	0.3					
1 p. m.	.893	.334	87.0	70.6	16.4	62.0	·559	.45	83.0	77.8	NW	0.6					
2 „	.863	.227	86.6	72.6	14.0	65.9	.636	.52	83.0	78.0	NW b N	0.8					
3 „	.849	.263	85.8	71.0	14.8	63.4	.586	.49	82.9	78.2	„	0.7					
4 „	.848	.173	84.4	73.0	11.4	67.7	.675	.59	82.0	78.2	NW	0.8					
5 „	.846	.190	81.2	71.5	9.7	66.8	.656	.63	80.0	78.3	„	0.7	None.	None.	None.	None.	None.
6 „	.847	.217	78.7	70.0	8.7	65.6	.630	.66	78.5	78.3	„	0.6					
7 „	.862	.222	77.8	70.0	7.8	66.1	.640	.69	77.9	78.3	NW b N	0.5					
8 „	.871	.187	77.0	71.0	6.0	68.1	.684	.75	77.5	78.2	NW	0.6					
9 „	·887	.196	76.4	71.0	5.4	68·4	.691	.77	76.0	78.0	N b W	0.5					
10 „	.896	.234	75.8	70.0	5.8	67.1	.662	.76	75·9	77.8	„	0.3					
11 „	.881	.224	74.4	69.4	5.0	66.9	.657	.78	75.0	77.6	„	0.1					
Jan. 29th-Midnight	.868	.220	74.0	69.0	5.0	66.5	.648	.78	75.0	77.6	N b W	0.3		+	1		Above 10m.
1 a. m.	.861	.272	73.4	67.0	6.4	63.5	.589	.72	74.9	77.4	N E b N	0.1					
2 „	.842	.272	72·2	66.0	6.2	62.6	·570	.73	74.0	77.3	NNE	0.2					
3 „	.830	.269	73.0	66.0	7.0	62.1	.561	.70	74.0	77.2	„	0.2					
4 „	.830	.269	73.0	66.0	7·0	62.1	·561	.70	74.0	77.0	ENE	0.2					
5 „	.829	.257	72.6	66.2	6.4	62.7	.572	.72	73.6	77.0	„	0.2					
6 „	.842	.249	73.0	67.0	6·0	63.8	.593	.74	73.6	76.9	„	0.4					
7 „	.871	.258	72.7	67.5	5.2	64.8	·613	.77	73.3	76.7	„	0.4					
8 „	.895	·289	74.8	68.0	6·8	64.4	.606	.72	74.5	76.6	NE	0.4					
9 „	.910	.332	77.4	68.0	9.4	63.0	·578	.63	76.0	76.8	NE b E	0.2					
10 „	.916	.356	79.0	68.0	11.0	62.0	·560	·58	77.2	76.9	„	0.2					
11 „	.911	.378	83.2	68.6	14.6	60.6	·533	.48	78.0	77.1	„	0.1	None.				
Noon.	.883	.431	85.6	67.0	18.6	55.6	.452	.38	81.0	77.4	„	0.2					
1 p. m.	.855	.230	85.6	72.0	13.6	65.4	.625	.53	82.0	78.0	WNW	0.6					
2 „	.832	.192	85.6	72.4	13.2	66.1	.640	.54	82.0	78.1	„	0.6					
3 „	.826	.212	85.3	71.6	13.7	64.8	.614	.52	82.0	78.2	NW b W	0.5					
4 „	.828	.187	84.2	72.0	12.2	66.1	·641	.56	82.0	78.4	„	0·7					
5 „	.837	.133	82.5	73.2	9.3	69.0	.704	.65	80.5	78.5	„	0.5					
6 „	.842	.109	79.8	73.2	6.6	70.2	.733	.74	79.6	78.5	NNW	0.5		+	5		1·35
7 „	.868	.150	77.8	72·2	5.6	69.6	·718	.77	78.0	78.4	„	0.3		+	6		0.55
8 „	.893	.166	76.6	72.0	4.6	70.0	.727	.81	77.5	78.3	N b W	0·2		+	6		0·40
9 „	.916	.210	75.0	71.0	4.0	69.1	.706	.83	76.0	78.1	„	0.1		+	8	6	0·04
10 „	.919	.241	74.4	70.0	4.4	67.8	·678	.81	75.8	78.0	„	0.1		+	12	10	1·00
11 „	.902	.224	74.4	70.0	4.4	67.8	.678	.81	75.2	77.9	NNE	0.3		+	4		Above 10m.
Jan. 30th-Midnight	.890	.208	74.0	70.0	4.0	68.0	.682	.83	75.0	77.8	E b N	0.2		+	4		Above 10m.
1 a. m.	.874	.188	73.6	70.0	3.6	68.2	.686	·84	75.0	77.6	„	0.6		+	2		Above 10m.
2 „	.857	.198	73.0	69·0	4.0	67.0	.659	.82	74.0	77·6	„	0.8					
3 „	.849	.190	73.0	69.0	4.0	67.0	.659	.82	74.0	77·4	E	0.4					
4 „	.841	.171	72.0	69.0	3.0	67.5	.670	.87	73.1	77·2	„	0.2					
5 „	.852	.207	71.3	68.0	3.3	66.3	.645	.85	72.3	77.1	ENE	0.1					
6 „	.860	.182	71.3	69.0	2.3	67.8	.678	.89	72.3	76.9	„	0.0					
7 „	.901	.220	71.0	69.0	2.0	68.0	.681	.91	72.0	76.7	„	0.1					
8 „	.919	.288	72.5	68.0	4.5	65.6	.631	.80	73.0	76.6	NE b E	0.1					
9 „	.941	.311	75.6	69.0	6.6	65·6	.630	.73	75.0	76.6	N b W	0.1					
10 „	.938	.323	77.0	69.0	8.0	64.9	·615	.68	76.0	76.8	NNE	0.2					
11 „	.924	.305	80.4	70.2	10.2	65.1	·619	.61	77.5	77.0	W b N	0.1					
Noon.	.890	.292	81.5	70.0	11.5	64.0	.598	.57	78.9	77.2	NW	0.5	None.				
1 p. m.	.850	·327	82.4	68.0	14.4	60.0	·523	.48	79.8	77.5	„	0.7					
2 „	.831	.249	83.0	70.0	13.0	63.2	·582	.53	80.0	77.6	NW b N	0.8					
3 „	.817	.296	82.5	68.0	14.5	59.9	·521	.48	80.0	77·8	„	0.8					
4 „	.815	.284	81.6	68.0	13.6	60.4	·531	.51	79.8	77.8	„	1.0					
5 „	.826	.302	79.3	67.0	12.3	60.0	·524	.53	78.2	77.7	NNW	0.8					
6 „	.831	.280	76.8	67.0	9.8	61.5	·551	.61	76.9	77.7	„	0.7		+	1		2.20
7 „	.846	.243	76.0	68.0	8.0	63.8	·593	.67	76.2	77.6	„	0.6		+	2		1.25
8 „	.873	.275	75.5	68.0	7.5	64.0	·598	.69	76.0	77.6	„	0·6		+	1		Above 10m.
9 „	.889	.285	75.0	68.0	7.0	64.3	·604	.71	75.7	77.4	„	0.5		+	1		Above 10m.
10 „	·900	.294	74.8	68.0	6.8	64.4	.606	.72	75.0	77.3	„	0·4					
11 „	.900	.270	72.6	68.0	4.6	65.6	.630	.80	74.1	77.2	N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩≀ cumulo-strati; and ∩≀ nimbi.	
2	G	≀≀ scattered about hor.	
2	R	" "	
3	R	" "	
2	R	" "	
2	R	" "	
1	B	≀≀ scattered along E hor.	
2	B	≀≀ scattered about hor.	
2	B	" "	
2	B	" "	
5	G	≀≀ scattered about moving NW.	
6	G	" "	
3	G	≀≀ scattered about; dew falling.	
4	G	≀≀ scattered about; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°6 and 83°0.
2	R	≀≀ scattered about hor.	
2	R	" "	
1	R	≀≀ scattered around hor; ⌒≀ in E hor.	
2	R	≀≀ scattered around hor.	
3	B	" "	
5	B	≀≀ scattered about moving N.	
4	B	≀≀ scattered about moving N; mist and fog in hor.	
3	B	" "	
1	G	Pieces of ≀≀ scattered here and there; mist in hor.	
1	G	" " "	
1	G	" "	
4	G	≀≀ scattered here and there.	
3	R	" "	
2	R	" "	
3	R	" "	
5	R	≀≀ scattered about moving SE.	
3	B	≀≀ scattered about hor.	
2	B	" "	
1	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 83°0. The Height of Barometer at 4 P.M. was 29.815 in. lowest during the Month and about 0.057 in. lower than the Normal Mean.
2	R	≀ scattered about E and S hor.	
5	R	≀≀ scattered about.	
5	R	" "	
3	R	" "	
2	B	≀≀ scattered about hor.	
3	B	≀≀ scattered about moving N.	
1	B	≀≀ around hor.; mist and fog in hor.	
1	B	" "	
1	G	" "	
1	G	≀≀ around hor.; mist in hor.	
1	G	A few pieces of ≀≀ in hor.	
0	G	" "	
0	R	A few pieces of ≀≀ along E hor.	
0	R	A few few pieces of ≀≀ along E hor. light mist in hor.	
0	R	" "	
0	R	" "	
0	B	Mist along E hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Jan. 31st-Midnight	29.891	29.287	72°0	67°0	5°0	64°3	0.604	0.78	73°1	77°0	N b E	0.1		+	2		Above 10m.
1 a. m.	.891	.338	70.8	65.0	5.8	61.6	.553	.74	72.8	77.0	„	0.0					
2 „	.888	.345	71.2	64.8	6.4	61.1	.543	.71	72.8	77.0	„	0.0					
3 „	.880	.295	70.8	66.0	4.8	63.3	.585	.79	72.2	76.9	„	0.0					
4 „	.881	.288	70.8	65.9	4.9	63.8	.593	.78	72.0	76.7	„	0.1					
5 „	.882	.232	70.0	66.5	3.5	64.6	.610	.84	71.1	76.6	„	0.1					
6 „	.903	.251	70.6	68.0	2.6	66.6	652	.88	70.5	76.5	„	0.1					
7 „	.935	.305	69.6	67.0	2.6	65.6	.630	.88	71.0	76.3	NE b N	0.1					
8 „	.956	.348	71.6	67.0	4.6	64.5	.608	.81	72.0	76.2	„	0.2					
9 „	.972	.355	73.8	68.0	5.8	65.0	.617	.75	74.1	76.3	NE	0.2		+	4		1.17
10 „	.974	.370	75.0	68.0	7.0	64.3	.604	.71	75.0	76.3	NE b E	0.3		+	2		Above 10m.
11 „	.951	.394	77.7	67.5	10.2	61.9	.557	.60	76.7	76.4	„	0.2		+	1		Above 10m.
Noon.	.926	.348	80.4	69.0	11.4	63.0	.578	.57	77.0	76.6	NW	0.3					
1 p. m.	.896	.304	79.6	68.5	11.1	62.6	.570	.58	77.2	76.8	„	0.5	None.				
2 „	.875	.290	80.3	69.2	11.1	63.3	.585	.58	77.8	77.0	„	1.2					
3 „	.872	.255	80.6	70.2	10.4	65.0	.617	.61	78.2	77.2	„	1.0					
4 „	.872	.246	79.8	70.8	9.0	66.4	.646	.62	78.0	77.3	„	0.6					
5 „	.872	.230	77.9	70.1	7.8	66.2	.642	.69	77.0	77.2	„	0.5					
6 „	.887	.171	75.7	71.5	4.2	69.6	.716	.82	76.0	77.1	„	0.6					
7 „	.904	.248	74.8	69.5	5.3	66.8	.656	.77	75.5	77.1	NW b N	0.4					
8 „	.930	.266	74.2	69.5	4.7	67.2	.664	.80	75.0	77.0	NNW	0.2					
9 „	.941	.284	73.7	69.2	4.5	66.9	.657	.81	74.8	76.9	„	0.5					
10 „	.947	.290	72.8	68.7	4.1	66.9	.657	.82	73.5	76.8	„	0.0		+	2		Above 10m.
11 „	.934	.282	71.2	68.2	3.0	66.6	.662	.86	72.0	76.8	„	0.3		+	20	20	Above 10m.
Feb. 2nd-Midnight	.926	.287	71.8	68.0	3.8	66.0	.639	.83	72.4	76.4	N b W	0.2					
1 a. m.	.928	.309	70.6	67.0	3.6	65.1	.619	.84	72.0	76.2	„	0.2		+	2		Above 10m.
2 „	.920	.283	69.0	67.0	2.0	65.9	.637	.91	71.2	76.1	„	0.1		+	1		Above 10m.
3 „	.915	.342	69.0	65.0	4.0	62.7	.573	.82	70.5	75.9	„	0.1					
4 „	.916	.372	68.8	64.0	4.8	61.2	.544	.79	70.0	75.8	„	0.2					
5 „	.918	.450	67.6	61.0	6.6	56.6	.468	.70	69.8	75.7	„	0.1					
6 „	.925	.458	68.0	62.2	5.8	57.2	.477	.65	69.5	75.5	„	0.1					
7 „	.963	.512	67.0	60.2	6.8	55.5	.451	.60	68.5	75.5	N b E	0.1		+	2		Above 10m.
8 „	.984	.446	70.8	64.5	6.3	60.8	.538	.72	70.8	75.2	„	0.1		+	1		Above 10m.
9 „	.996	.449	74.3	66.0	8.3	61.3	.547	.65	73.5	75.2	NNE	0.3					
10 „	30.001	.411	76.3	68.0	8.3	63.6	.590	.66	74.2	75.3	E b S	0.2					
11 „	29.967	.442	77.4	67.0	10.4	61.2	.545	.58	75.2	75.5	NE b N	0.3					
Noon.	.950	.366	79.7	69.0	10.7	63.3	.585	.59	76.5	75.7	NW	0.2	None.			None.	
1 p. m.	.919	.305	80.2	70.0	10.2	64.8	.614	.61	77.0	76.0	„	0.5		+	1		Above 10m.
2 „	.896	.286	80.5	70.0	10.5	64.6	.610	.60	77.5	76.2	„	0.6					
3 „	.887	.285	81.2	70.0	11.2	64.2	.602	.58	77.7	76.3	„	0.6					
4 „	.884	.280	81.0	70.0	11.0	64.3	.604	.59	77.7	76.5	NW b N	0.7					
5 „	.891	.273	79.4	71.3	8.1	67.4	.668	.68	77.8	76.6	„	0.3					
6 „	.905	.219	76.8	71.0	5.8	68.2	.686	.76	77.0	76.7	„	0.4					
7 „	.914	.217	75.8	71.0	4.8	68.7	.697	.79	76.2	76.7	„	0.4					
8 „	.923	.224	75.0	70.8	4.2	68.8	.699	.82	76.0	76.6	NNW	0.2					
9 „	.927	.256	73.5	69.5	4.0	67.5	.671	.83	74.5	76.5	„	0.2					
10 „	.916	.221	72.8	70.0	2.8	68.6	.695	.89	74.0	76.4	„	0.0					
11 „	.903	.233	72.0	69.0	3.0	67.5	.670	.87	73.3	76.4	„	0.0					
Feb. 3rd-Midnight	.903	.233	72.0	69.0	3.0	67.5	.670	.87	73.3	76.3	NNW	0.0					
1 a. m.	.897	.227	72.0	69.0	3.0	67.5	.670	.87	73.0	76.3	„	0.2					
2 „	.883	.213	72.0	69.0	3.0	67.5	.670	.87	73.0	76.2	„	0.1					
3 „	.873	.234	71.8	68.0	3.8	66.0	.639	.83	73.0	76.1	„	0.0					
4 „	.866	.258	71.6	67.0	4.6	64.5	.608	.80	72.9	76.1	NNE	0.2					
5 „	.879	.264	71.0	67.0	4.0	64.9	.615	.82	72.2	76.0	„	0.0	None.				
6 „	.895	.274	70.2	66.9	3.3	65.2	.621	.85	71.5	76.0	„	0.0		+	2		0.10
7 „	.925	.293	70.0	67.2	2.8	65.7	.632	.87	71.4	75.8	„	0.1		+	8	8	0.06
8 „	.945	.283	73.0	69.1	3.9	67.1	.662	.84	73.2	75.8	„	0.0					
9 „	.963	.300	75.7	70.0	5.7	67.2	.663	.76	74.7	76.0	NE b N	0.1		+	4		1.00
10 „	.960	.296	77.5	70.6	6.9	67.2	.664	.72	76.0	76.1	„	0.1					
11 „	.946	.276	78.3	71.0	7.3	67.5	.670	.71	76.8	76.4	„	0.1					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∨∪≀ nimbi.	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 83°0. 31st January was the 5th day on which the sky remained almost cloudless.
0	N	Cloudless; dew falling.	
0	N	" "	
0	N	" "	
0	N	" "	
0	B	" "	
0	B	A few ≀ in E hor; dew falling.	
0	B	Mist and fog along E hor.	
0	B	" "	
0	G	" "	
0	G	Mist in hor.	
0	G	" "	
0	G	Cloudless.	
0	N	A few pieces of ≀≀ along E hor.	
0	N	" "	
0	N	" "	
0	N	" "	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 82°9. 2nd February was the 6th day on which the sky remained almost cloudless.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	Mist and fog in hor.	
0	G	Mist around hor.	
0	B	" "	
0	B	" "	
0	B	Mist along W hor.	
0	B	" "	
0	G	Mist around hor.	
0	G	A few pieces of clouds along E hor.	
0	G	" "	
0	G	" "	
0	N	" "	
0	N	Mist around hor.	
0	N	" "	
0	N	" "	
0	B	Cloudless.	
0	B	Cloudless; dew falling.	
0	B	A few clouds along E hor; dew falling.	
2	B	≀≀ scattered about hor; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°8.
6	G	≀≀ scattered throughout; dew falling.	
6	G	" "	
5	G	≀≀ scattered about; dew falling.	
2	G	≀≀ scattered about hor; dew falling.	
0	N	Cloudless; dew falling.	
0	N	Mist around hor; dew falling.	
0	N	Mist around hor.	
0	N	" "	
0	B	" "	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 3rd-Noon.	29.911	29.269	80°8	71°0	9°8	66°2	0.642	0.63	78°0	76°6	NNW	0.2					
1 p. m.	.884	.231	81.5	71.5	10.0	66.7	.653	.62	78.3	76.7	„	0.4					
2 „	.862	.195	81.8	72.0	9.8	67.3	.667	.63	80.7	76.9	„	0.3					
3 „	.844	.179	82.0	72.0	10.0	67.2	.665	.62	80.7	77.2	„	0.4					
4 „	.839	.167	81.4	72.0	9.4	67.6	.672	.64	79.1	77.2	„	0.6					
5 „	.847	.180	79.2	71.2	8.0	67.3	.667	.68	78.7	77.3	„	0.2					
6 „	.853	.189	77.2	70.5	6.7	67.2	.664	.73	77.8	77.3	„	0.1	None.				
7 „	.870	.180	75.8	70.8	5.0	65.6	.690	.79	77.3	77.2	„	0.0		+	4	4	1.20
8 „	.890	.195	75.4	70.8	4.6	68.6	.695	.80	76.4	77.1	„	0.2		+	2		2.10
9 „	.888	.217	75.0	70.0	5.0	67.5	.671	.79	76.0	77.0	„	0.2		+	4	4	1.00
10 „	.887	.205	74.0	70.0	4.0	68.0	.682	.83	75.0	77.0	„	0.0		+	4	4	0.50
11 „	.876	.217	73.0	69.0	4.0	67.0	.659	.82	74.2	77.0	„	0.0		+	8	6	0.10
Feb. 4th-Midnight	.863	.170	73.0	70.0	3.0	68.5	.693	.87	74.0	76.9	N b W	0.0		+	4		1.00
1 a. m.	.855	.160	72.8	70.0	2.8	68.6	.695	.88	73.2	76.8	„	0.3		++	2		0.58
2 „	.844	.174	72.0	69.0	3.0	67.5	.670	.87	73.0	76.7	„	0.0		+	1		Above 10m.
3 „	.833	.156	71.4	69.0	2.4	67.8	.677	.89	72.9	76.6	„	0.0					
4 „	.834	.151	70.8	69.0	1.8	68.1	.683	.92	72.8	76.3	„	0.1					
5 „	.847	.166	71.0	69.0	2.0	68.0	.681	.91	72.7	76.2	„	0.0					
6 „	.873	.201	70.6	68.6	2.0	67.6	.672	.91	72.4	76.2	„	0.0					
7 „	.895	.265	70.2	67.2	3.0	65.6	.630	.86	72.2	76.1	„	0.1					
8 „	.909	.283	73.0	68.0	5.0	65.4	.626	.78	73.7	76.2	„	0.1					
9 „	.911	.313	75.5	68.0	7.5	64.0	.598	.70	74.3	76.4	E b N	0.3					
10 „	.912	.308	78.0	69.0	9.0	64.3	.604	.64	76.3	76.5	E	0.2					
11 „	.895	.309	79.6	69.0	10.6	63.4	.586	.70	77.4	76.5	„	0.2					
Noon.	.862	.208	83.0	72.0	11.0	66.7	.654	.59	79.2	76.9	N b W	0.1	None.			None.	
1 p. m.	.830	.176	83.0	72.0	11.0	66.7	.654	.59	79.6	77.0	NW	0.5					
2 „	.805	.130	82.4	72.4	10.0	67.7	.675	.62	79.6	77.2	„	0.4					
3 „	.791	.093	82.4	73.0	9.4	68.7	.698	.65	79.8	77.4	NW b N	0.6					
4 „	.787	.074	81.0	73.0	8.0	69.4	.713	.69	79.1	77.5	NW	1.0					
5 „	.799	.048	79.6	73.6	6.0	71.0	.751	.76	79.0	77.6	N W b N	0.2					
6 „	.819	.115	76.5	71.4	5.1	69.0	.704	.79	77.0	77.6	NNW	0.3					
7 „	.842	.143	75.6	71.0	4.6	68.8	.699	.81	76.4	77.5	„	0.4					
8 „	.864	.148	75.4	71.4	4.0	69.5	.716	.83	76.2	77.4	N W b N	0.4					
9 „	.863	.157	75.0	71.0	4.0	69.1	.706	.83	76.0	77.4	„	0.1					
10 „	.873	.221	73.6	69.0	4.6	66.6	.652	.80	74.6	77.3	NNW	0.0					
11 „	.856	.222	72.8	68.2	4.6	67.7	.634	.80	74.1	77.2	„	0.0					
Feb. 5th-Midnight	.845	.215	72.6	68.0	4.6	65.6	.630	.80	74.0	77.2	NNW	0.0					
1 a. m	.843	.184	73.0	69.0	4.0	67.0	.659	.82	74.2	76.9	„	0.1					
2 „	.823	.146	71.4	69.0	2.4	67.8	.677	.89	73.0	76.8	„	0.0					
3 „	.821	.177	71.4	68.0	3.4	66.3	.644	.85	73.0	76.7	„	0.2					
4 „	.814	.199	71.0	67.0	4.0	64.9	.615	.82	72.2	76.6	„	0.0					
5 „	.828	.266	70.0	65.0	5.0	62.1	.562	.77	71.7	76.5	„	0.1					
6 „	.850	.328	69.5	63.5	6.0	59.9	.522	.73	71.4	76.4	N b W	0.2					
7 „	.867	.385	69.0	62.0	7.0	57.5	.482	.69	70.8	76.2	„	0.1					
8 „	.897	.396	70.0	63.0	7.0	58.7	.501	.69	71.2	75.9	N	0.1					
9 „	.916	.463	74.4	63.0	11.4	55.6	.453	.54	73.2	76.0	„	0.1					
10 „	.918	.444	78.0	65.0	13.0	57.0	.474	.50	75.5	76.1	„	0.1	None.	None.	None.	None.	None.
11 „	.903	.340	80.2	68.5	11.7	62.2	.563	.56	77.2	76.3	NNW	0.2					
Noon.	.868	.275	82.0	70.0	12.0	63.8	.593	.56	78.5	76.5	„	0.4					
1 p. m.	.830	.211	82.8	71.0	11.8	65.1	.619	.57	79.0	76.8	„	0.5					
2 „	.802	.194	83.8	71.0	12.8	64.5	.608	.54	81.2	77.0	NW b N	0.6					
3 „	.787	.166	83.0	71.5	12.5	65.2	.621	.55	80.3	77.2	NNW	0.6					
4 „	.787	.120	81.8	72.0	9.8	67.3	.667	.63	79.1	77.4	„	0.5					
5 „	.802	.151	80.0	71.0	9.0	66.6	.651	.65	78.6	77.5	„	0.3					
6 „	.824	.192	77.0	69.5	7.5	65.7	.632	.70	77.5	77.6	„	0.4					
7 „	.846	.203	76.0	69.5	6.5	66.2	.643	.73	76.5	77.4	„	0.5					
8 „	.861	.224	75.0	69.0	6.0	65.9	.637	.75	76.1	77.3	„	0.4					
9 „	.861	.189	74.9	70.0	4.9	67.6	.672	.79	76.0	77.2	„	0.8					
10 „	.863	.248	74.0	68.0	6.0	64.9	.615	.74	75.0	77.0	„	0.6					
11 „	.858	.251	73.2	67.5	5.7	64.5	.607	.75	74.3	77.0	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
0	B	Mist around hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Cloudless.	
0	B	Cloudless and dew falling.	
0	B	" "	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°9.
0	G	" "	
0	G	" "	
0	G	" "	4th February was the 4th cloudless day.
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°9.
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	5th February was the 5th cloudless day.
0	G	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	Mist along E hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 6th-Midnight	29.856	29.252	72°0	67°0	5°0	64°3	0.604	0.78	73°2	76°8	N b W	0.2					
1 a. m.	.855	.249	71.8	67.0	4.8	64.4	.606	.79	73.0	76.7	„	0.4					
2 „	.844	.236	71.6	67.0	4.6	64.5	.608	.81	72.8	76.6	„	0.5		+	1		Above 10m.
3 „	.828	.249	71.4	66.0	5.4	63.0	.579	.76	72.5	76.5	N	0.4		+	1		Above 10m.
4 „	.830	.329	70.0	63.0	7.0	58.7	.501	.69	70.2	76.2	„	0.5					
5 „	.843	.380	68.0	61.0	7.0	56.3	.463	.68	70.0	76.1	„	0.2					
6 „	.866	.432	68.0	60.0	8.0	54.4	.434	.64	69.8	76.0	„	0.2					
7 „	.895	.457	68.2	60.2	8.0	54.7	.438	.64	69.6	75.7	N b E	0.1					
8 „	.921	.461	71.0	62.0	9.0	56.2	.460	.61	70.4	75.4	„	0.1					
9 „	.934	.446	73.9	64.0	9.9	57.9	.488	.59	73.0	75.3	„	0.3	None.			None.	
10 „	.933	.425	77.8	66.0	11.8	59.1	.508	.55	75.2	75.5	„	0.1					
11 „	.918	.380	79.5	67.5	12.0	60.8	.538	.55	76.5	75.9	N	0.2					
Noon.	.894	.334	82.0	69.0	13.0	62.0	.560	.52	78.2	76.2	NNW	0.6					
1 p. m.	.850	.264	82.6	70.0	12.6	63.4	.586	.54	79.0	76.4	N W b N	0.6					
2 „	.830	.215	83.2	71.0	12.2	64.9	.615	.56	80.0	76.7	„	0.5					
3 „	.815	.200	83.2	71.0	12.2	64.9	.615	.56	80.0	77.0	NNW	0.6					
4 „	.812	.159	81.5	71.5	10.0	66.7	.653	.62	79.1	77.2	„	0.6					
5 „	.832	.193	79.5	70.5	9.0	66.0	.639	.65	79.0	77.4	„	0.7					
6 „	.844	.212	77.0	69.5	7.5	65.7	.632	.70	77.3	77.3	„	0.4					
7 „	.870	.244	76.0	69.0	7.0	65.4	.626	.71	76.5	77.2	„	0.5					
8 „	.888	.257	75.5	69.0	6.5	65.6	.631	.73	76.0	77.0	„	0.4					
9 „	.891	.269	74.3	68.3	6.0	65.2	.622	.74	75.3	77.0	„	0.3					
10 „	.898	.333	73.2	66.2	7.0	62.3	.565	.70	74.4	77.0	„	0.4					
11 „	.899	.361	72.5	65.0	7.2	60.8	.538	.69	73.9	76.8	„	0.1					
Feb. 7th-Midnight	.894	.440	71.5	62.0	9.5	55.7	.454	.60	72.9	76.6	NNW	0.0					
1 a. m.	.891	.431	71.0	62.0	9.0	56.2	.460	.61	73.6	76.5	„	0.1					
2 „	.876	.425	70.5	61.5	9.0	55.5	.451	.61	73.0	76.4	„	0.0					
3 „	.868	.429	70.2	61.0	9.2	54.7	.439	.60	71.9	76.2	„	0.0					
4 „	.868	.429	70.2	61.0	9.2	54.7	.439	.60	71.0	76.0	„	0.1		+	2		Above 10m.
5 „	.892	.442	69.2	61.0	8.2	55.5	.450	.64	71.0	75.9	„	0.1		+	1		Above 10m.
6 „	.909	.457	69.0	61.0	8.0	55.6	.452	.64	70.6	75.8	„	0.1		+	3		Above 10m.
7 „	.947	.465	69.0	62.0	7.0	57.5	.482	.69	70.5	75.5	„	0.1		+	4		2.10
8 „	.963	.511	70.6	61.6	9.0	55.6	.452	.61	71.0	75.2	„	0.1		+	3		3.15
9 „	.985	.601	75.2	61.0	14.2	50.8	.384	.44	74.0	75.4	„	0.1		+	2		Above 10m.
10 „	.982	.600	78.0	62.0	16.0	50.7	.382	.41	76.2	75.7	„	0.2		+	1		Above 10m.
11 „	.960	.553	81.2	64.0	17.2	52.7	.407	.39	78.0	76.0	N	0.1	None.			None.	
Noon.	.929	.416	82.4	68.0	14.4	60.0	.523	.48	80.0	76.2	„	0.2					
1 p. m.	.902	.259	84.0	72.0	12.0	66.2	.643	.57	80.0	76.5	NNW	0.4		+	4		
2 „	.887	.231	84.5	72.5	12.0	66.8	.656	.57	80.5	76.9	„	0.5		+	3		
3 „	.873	.194	84.0	73.0	11.0	67.9	.679	.60	80.5	77.1	„	0.6		+	1		
4 „	.874	.213	84.0	72.5	11.5	67.1	.661	.58	80.5	77.2	„	0.3					
5 „	.879	.251	82.0	71.0	11.0	65.5	.628	.59	80.0	77.3	„	0.2					
6 „	.885	.215	78.3	71.0	7.3	67.5	.670	.71	78.2	77.3	„	0.1					
7 „	.896	.224	76.5	70.5	6.0	67.6	.672	.75	77.0	77.2	„	0.2					
8 „	.909	.311	75.5	68.0	7.5	64.0	.598	.70	76.1	77.2	„	0.4					
9 „	.924	.320	75.0	68.0	7.0	64.3	.604	.71	75.2	77.0	N b W	0.5					
10 „	.933	.316	73.8	68.0	5.8	65.0	.617	.75	74.5	77.0	„	0.2		+	1		
11 „	.933	.329	72.0	67.0	5.0	64.3	.604	.78	74.0	76.9	„	0.1					
Feb. 9th-Midnight	.886	.238	74.0	69.0	5.0	66.5	.648	.78	74.5	76.9	NNW	0.3					
1 a. m.	.880	.194	73.7	70.0	3.7	68.2	.686	.84	74.2	76.8	„	0.4					
2 „	.861	.205	73.3	69.0	4.3	66.8	.656	.81	74.0	76.5	N b W	0.6					
3 „	.853	.227	73.0	68.0	5.0	65.4	.626	.78	73.9	76.4	„	0.6	None.	+	2	None.	Above 10m.
4 „	.846	.216	72.6	68.0	4.6	65.6	.630	.80	73.1	76.4	„	1.0		+	6		1.21
5 „	.876	.239	72.0	68.0	4.0	65.9	.637	.82	72.7	76.3	„	0.4		+	2		Above 10m.
6 „	.887	.325	70.0	65.0	5.0	62.1	.562	.77	71.5	76.1	„	0.2					
7 „	.903	.410	68.0	62.0	6.0	58.2	.493	.72	70.6	76.0	N	0.1					
8 „	.919	.448	70.0	62.0	8.0	56.8	.471	.65	71.2	75.8	„	0.1					
9 „	.938	.485	74.4	63.0	11.4	55.6	.453	.54	73.5	75.9	„	0.2					
10 „	.940	.455	77.8	65.3	12.5	57.7	.485	.51	75.8	76.1	„	0.3					
11 „	.919	.384	79.8	67.5	12.3	60.6	.535	.53	77.0	76.4	NNW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∨∪ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
1	C	≀ scattered along E hor.; mist around hor.	
1	C	" " "	
0	C	" " "	
0	B	Mist around hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	G	A few pieces of clouds along E hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°8.
0	G	"	7th February was the 7th day on which the sky remained almost cloudless.
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	Misty round about.	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	A few ≀ above E hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	" "	
1	B	≀ scattered along E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°7.
1	G	" "	
4	G	≀ scattered about.	
4	G	" "	
4	G	" "	
2	C	" "	
3	C	≀ scattered about; mist around hor.	
4	C	" " "	
4	C	" " "	
4	B	" " "	
5	B	" " "	
0	B	≀ scattered about; mist along E hor.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 9th-Noon.	29.892	29.298	81·9	70·0	11·9	63·8	0.594	0.56	79·0	76·5	NNW	0.4					
1 p. m.	.855	.262	82.0	70.0	12.0	63.8	.593	.56	79.5	76.7	NW	0.5					
2 „	.834	.240	81.9	70.0	11.9	63.8	.594	.56	79.3	77.0	„	0.6					
3 „	.815	.177	81.2	71.0	10.2	66·0	.638	.61	79.0	77.1	„	0.6					
4 „	.813	.171	80.8	71.0	9.8	66·2	.642	.63	78.9	77.2	NW b N	0·7	None.	None.	None.	None.	None.
5 „	.827	.193	78.4	70.0	8.4	65.8	.634	.67	78.2	77.4	NW	0.8					
6 „	.844	.251	76.0	68.0	8.0	63.8	·593	.67	76.4	77.5	NW b N	0.8					
7 „	.851	.242	74.5	68.0	6.5	64.6	.609	.73	75.6	77.3	„	0.7					
8 „	.872	.290	74.0	67.0	7.0	63.2	.582	.70	75.1	77.1	„	0.4					
9 „	.873	.275	73.5	67.3	6.2	64.0	.598	.74	74.5	77.0	„	0.2					
10 „	.870	.304	72.5	66.0	6.5	62.3	.566	.72	73.6	76·8	NNW	0.3					
11 „	.863	.291	72.0	66.0	6.0	62.7	.572	.74	73.0	76.7	„	0.0					
Feb. 10th-Midnight	.859	.233	71.5	67.5	4.0	65.4	.626	.82	72.6	76.6	NNW	0.1					
1 a. m.	.850	.235	71.0	67.0	4.0	64.9	.615	.82	71.5	76.4	„	0.0					
2 „	.831	.235	69.8	66·0	3.8	63.9	.596	.83	71.0	76.1	„	0.0					
3 „	.819	.241	67.6	64.6	3.0	63.0	.578	.86	69.8	75.8	„	0.2					
4 „	·820	·242	67.6	64.6	3.0	63.0	.578	.86	69.8	75·6	N b W	0.2					
5 „	.826	.210	68.0	66.0	2.0	64.9	.616	.91	69.4	75.5	N	0.4					
6 „	.846	.250	67.5	65.2	2.3	63.9	.596	.89	69.2	75.4	„	0.5					
7 „	.880	.413	68·5	61.3	7.2	56.6	.467	.68	69.4	75.2	„	0.5					
8 „	.902	·401	70.0	63.0	7·0	58.7	.501	.69	70.4	75.2	N b E	0.3					
9 „	.917	.438	72.0	63.0	9.0	57.3	.479	.62	72.0	75.3	NNE	0.2					
10 „	.913	.448	76.0	64.0	12.0	56.5	.465	.53	74.8	75.5	„	0.3					
11 „	.890	.431	78.8	64.8	14.0	56.1	.459	.48	76.3	75.6	N b W	0.3					
Noon.	.858	.382	79.6	65.6	14.0	57.2	.476	.48	77.0	75.9	NNW	0.7	None.	None.	None.	None.	None.
1 p. m.	.828	.344	80.0	66.0	14.0	57.6	·484	.48	78.0	76.0	NW b N	1.0					
2 „	.800	.253	80.2	68.0	12.2	61.3	.547	.54	79.0	76.1	„	1.0					
3 „	.788	.204	79.8	69.0	10.8	63.3	.584	.59	79.0	76.2	„	1.2					
4 „	.788	·195	79.0	69.0	10.0	63.8	.593	.61	78.9	76.3	NW	0.7					
5 „	.796	.230	77.2	67.6	9.6	62.3	.566	.62	76.5	76.4	NW b N	0.6					
6 „	.808	.237	75.0	67.0	8.0	62.6	.571	.67	76.4	76.4	„	0.7					
7 „	.826	.308	74.0	65.0	9.0	59.7	.518	.63	76.0	76.3	„	0.6					
8 „	.840	.451	73.8	64.0	9.8	58.0	.489	.60	74.2	76.2	NNW	0.6					
9 „	.846	.355	73.6	64.0	9.6	58.1	.491	.60	74.0	76.1	„	0.9					
10 „	.839	.320	72.5	64.5	8.0	59.7	.519	.66	73.2	76.0	„	0.7					
11 „	.839	.444	70.5	63.0	7.5	58.3	.495	.67	71.5	75.9	„	0.2					
Feb. 11th-Midnight	.828	.346	69.0	62.0	7.0	57.5	.482	.69	70.3	75.6	N b W	0.0					
1 a. m.	.824	.324	67·4	62.0	5.4	59.3	.500	.75	70.0	75.5	„	0.0					
2 „	.817	.317	67.4	62 0	5.4	59.3	.500	.75	69.9	75.3	„	0.0					
3 „	.808	.334	67.0	61.0	6.0	57.0	.474	.72	69.0	75.2	„	0.0					
4 „	.804	.324	66.5	61.0	5.5	57.4	.480	·74	68.7	75.0	„	0.0					
5 „	.816	.323	66.4	61.4	5.0	58.2	.493	.76	68.6	74.9	„	0.0					
6 „	.836	.362	67.0	61.0	6.0	57.0	.474	.72	68.5	74.8	„	0.1					
7 „	.864	.341	68·0	63.0	5.0	60.0	.523	.77	69.0	74.6	N b E	0.1					
8 „	.891	.446	69 6	61.0	8.6	55.2	.445	.62	70·0	74.5	NNE	0.2					
9 „	.904	.414	71.0	63 0	8.0	58.0	.490	.65	71.0	74 5	NE b N	0.3					
10 „	.906	.407	74.4	64.5	9.9	58.6	.499	.59	73.0	74.6	NE	0.4					
11 „	.893	.511	78.0	62.0	16.0	50.7	.382	.41	75.2	74.9	„	0.2					
Noon.	.859	·391	81.4	66.0	15.4	56 6	.468	.45	77.2	75.2	N b W	0.3	None.	None.	None.	None.	None.
1 p. m.	.828	.311	81·4	67.5	13.9	59.6	.517	.49	77.4	75.3	NW	0.3					
2 „	.796	.279	81.4	67.5	13.9	59.6	.517	.49	78.0	75.6	„	0.6					
3 „	.781	.245	81.2	68.0	13.2	60.7	.536	.51	78.0	75.8	„	0.7					
4 „	.781	.210	81·0	69.0	12.0	62.6	.571	.55	78.0	76.0	NW b N	1.0					
5 „	.794	.234	79.0	68.0	11.0	62.0	.560	.58	77.5	76.1	„	0.6					
6 „	.816	.244	76.4	67.5	8.9	62.7	.572	.64	76.5	76.2	„	0.5					
7 „	.830	.270	75.4	66.8	8.6	62.0	.560	.65	75.9	76.2	„	0.4					
8 „	.852	.281	75.0	67·0	8.0	62.6	.571	.67	75.5	76.1	NNW	0.6					
9 „	.854	.303	74.5	66.2	8.3	61.5	.551	.66	75·0	76.0	„	0.8					
10 „	.852	.300	73 8	66.0	7.8	61.6	.552	.67	74.4	76.0	N	0.8					
11 „	.847	.387	71.0	62.0	9.0	56·2	.460	.61	72.2	75.8	N b W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
0	B	Clouded as before.	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
4	C	" "	
3	C	" "	
3	C	" "	
0	C	A few ≀ scattered here and there.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	Cloudless dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°8.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	10th February was the 6th cloudless day.
0	B	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	C	Mist in hor.	
0	C	"	
0	C	"	
0	C	"	
0	G	Mist along E hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	Cloudless,	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°7. Temperature of external and Free Air at 5 A.M. was 66°4 lowest in the month and about 5°0 lower than the Normal Mean.
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	
0	G	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	11th February was the 7th cloudless day.
0	B	Mist in hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	Mist in hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Feb. 12th-Midnight	29.833	29.332	70°0	63°0	7°0	58°7	0°501	0.69	71°2	75°7	N b W	0.0		+	16		0.10
1 a. m.	.818	.253	71.2	65.5	5.7	62.3	.565	.75	72.0	75.5	„	0.3		+	10		0.30
2 „	.809	.258	71.0	65·0	6.0	61.5	.551	.74	72.0	75.5	NE	0.1		+	5		0.10
3 „	.803	.255	70.7	64.8	5.9	61.4	.548	.74	71.8	75.4	NE b E	0.3		+	10		0.07
4 „	.805	.276	70.2	64.0	6.2	60.3	.529	.72	71.5	75.3	„	0.2		+	6		0.10
5 „	.819	.288	70.0	64.0	6.0	60.4	.531	.73	71.2	75.2	ENE	0.3		+	6		0.30
6 „	.841	.336	69.6	63.0	6.6	58.9	.505	.71	71.0	75.2	„	0.4		+	4		0.43
7 „	.871	.340	70.0	64.0	6.0	60.4	.531	.73	71.1	75.0	„	0.3		+	4		0.45
8 „	.890	.381	72.0	64.0	8.0	59.2	.509	.66	72.0	75.0	„	0.3		+	3		0.45
9 „	.909	.457	75.3	63.3	12·0	55·6	.452	.52	73.0	75.2	„	0.3					
10 „	.911	.464	78.2	64.2	14.0	55.3	.447	.47	76.0	75.4	„	0.5	None.	+	1		Above 10m.
11 „	.892	.450	80.8	65.0	15.8	55.0	.442	.43	78.3	75.6	„	0·3					
Noon.	.863	.477	85.8	65·0	20.8	51.0	.386	.32	81.1	76.1	„	0.2					
1 p. m.	.832	.253	89.7	72.0	17.7	63.0	.579	.43	84.0	76.4	NW	0.2		+	Out of Sc.	30	0.05
2 „	.799	.122	87.0	73.8	13.2	67.8	.677	.54	82.0	76.8	WNW	0.2					
3 „	.779	.077	85.0	73.2	11.8	68.9	.702	.58	81.5	76.9	W b N	0.5					
4 „	.786	.111	83.4	72·7	10.7	67.7	.675	.60	81.0	77.0	W	0.5		+	5		Above 10m.
5 „	.799	.123	81.0	72.0	9.0	67.6	.676	.66	80.0	77.2	„	0.4		+	5		5.00
6 „	.826	.153	78.0	71.0	7.0	67.8	.673	.72	78.2	77.3	W b N	0.3		+	10		0·40
7 „	.845	.207	76.5	69.5	7.0	66.0	.638	.76	77.1	77.2	WNW	0·3		+	6		0.50
8 „	.882	.256	76.0	69.0	7.0	67.8	.626	.71	76.4	77.1	„	0.0		+	5		1.10
9 „	.874	.288	73.6	67.0	6.6	66.5	.586	.72	74.9	77.0	„	0.0		+	4		1.00
10 „	.874	.278	72.7	67.0	5.7	64.5	.596	.75	74.2	76.9	„	0.0		+	4		0 54
11 „	.871	.366	72·4	64.0	8.4	64.7	.505	.64	73.8	76.7	„	0.1		+	5		1.15
Feb. 13th-Midnight	.859	.266	73.0	67.0	6.0	63.9	.593	.74	74.0	76.7	WNW	0.1		+	14		0.10
1 a. m.	.851	.186	73.2	69.2	4.0	67.2	.665	.82	73.9	76.5	„	0.1		+	2		Above 10m.
2 „	.844	.203	71.6	68.0	3.6	66.1	.641	.84	73.5	76·5	„	0.2					
3 „	.835	.189	71.2	68.0	3·2	66.4	.646	.86	73.0	76.4	„	0.1					
4 „	.833	.198	70.7	67.5	3.2	65.8	.635	.86	72.0	76.3	„	0.1					
5 „	.846	.220	70.0	67.0	3.0	65.4	.626	.86	71.8	76.2	„	0.2					
6 „	.875	.270	69.0	66.0	3.0	64.4	.605	.86	71.4	76.0	„	0.1					
7 „	.894	.268	70.0	67.0	3.0	65.4	.626	.86	71.7	75.8	„	0.1					
8 „	.904	.258	72.4	68.4	4.0	66.4	.646	.82	73.1	75.7	NNE	0.1					
9 „	.929	.281	74·0	69.0	5.0	66·5	.648	.78	73.7	75.9	„	0.1					
10 „	.930	.271	76.1	70.0	6.1	67.0	.659	.75	75.0	76.0	„	0.1	None.			None.	
11 „	.911	.244	78.5	71.0	7.5	67.3	.667	.70	76.5	76.2	NNW	0.1					
Noon.	.890	.305	79.7	69.0	10.7	63.3	.585	.59	77.0	76.4	NW	0.5					
1 p. m.	.857	.283	80.7	69.0	11.7	62.8	.574	.56	78·2	76.5	NW b N	0.5					
2 „	.827	.277	81.4	68.5	12.9	61.5	.550	.52	78.5	76.6	„	0.7					
3 „	.810	.220	82.3	70.0	12.3	63.6	.590	.55	79.0	76.8	NW	0.5					
4 „	.803	.347	81.8	68.8	13.0	61.8	.556	.52	79.2	77.0	NW b N	0.3					
5 „	.814	.187	79·0	70.0	9.0	65.4	.627	.65	79.0	77.1	„	0.2					
6 „	.831	.189	77.6	70·0	7.6	66.2	.642	.70	77.9	77.2	„	0.3					
7 „	.840	.201	76.0	69.4	6.6	66.0	.639	.73	76.6	77.3	„	0.4					
8 „	.863	.185	75.3	70.3	5.0	67.8	.678	.79	75.9	77.3	„	0·4					
9 „	.861	.213	74.0	69.0	5.0	66.5	.648	.78	75.1	77.1	NNW	0.2					
10 „	.862	.254	73.1	67.5	5.6	64.5	·608	·76	74.1	77.0	„	0.0					
11 „	.848	.236	71.3	67.0	4.3	64.7	.612	.81	73.1	76.8	„	0.0					
Feb. 14th-Midnight	.844	.191	72.0	68.5	3.5	66.7	.653	.84	73.1	76.6	NNW	0.2					
1 a. m.	.839	.185	72.5	68.7	3.8	66.7	.654	.83	73·0	76.5	„	0.3					
2 „	.831	.175	71.8	68.5	3.3	66.8	.656	·85	73.0	76.4	„	0.2					
3 „	.830	.180	70.8	68.0	2.8	66·6	.650	.87	71.2	76.3	„	0.0					
4 „	.841	.245	69.8	66.0	3.8	63.9	.596	.83	71.2	76.2	„	0.1					
5 „	.854	.251	67.8	65 5	2.3	64.3	.603	.89	70.4	76.1	„	0.0					
6 „	.877	.285	68.4	65.4	3·0	63.7	.592	.91	70.2	75.9	„	0.1	None.	None.	None.	None.	None.
7 „	.905	.342	68.5	64.5	4.0	62·2	.563	.82	70.2	75.6	„	0.1					
8 „	.927	.323	72.0	67.0	5.0	64.3	.604	.78	72.0	75.5	N b W	0.1					
9 „	.947	.375	73.8	66.6	7.2	62.7	.572	.70	73.0	75.5	N	0.1					
10 „	.951	.373	75 9	67.5	8.4	63.0	.578	.66	73 9	75.8	NE	0.1					
11 „	.939	.366	77·8	68 0	9 8	62.7	.573	.62	75.2	76.0	NE b E	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		NOTE.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
1	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 82°6. Corrected height of Standard Barometer at 3 P.M. 27·779 in. lowest in the Month, and 0·071 in. lower than the Normal Mean. 12th February was the 8th day on which the sky remained almost cloudless.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Light mist along W hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	A few linear clouds along E hor.	
0	C	A few linear clouds, and mist along E hor.	
0	C	Mist around hor.	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°5. 13th February was the 8th cloudless day.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	Cloudless; dew falling.	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Light mist along E hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°5. 14th February was the 9th day on which the sky remained almost cloudless.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	B	Mist around hor.	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 14th-Noon.	29.910	29.293	79°9	70°0	9°9	65°0	0.617	0.63	76°6	76°2	NE b E	0.2					
1 p. m.	.875	.241	81.5	71.0	10.5	65.8	.634	.61	77.1	76.3	NW b N	0.1					
2 „	.849	.188	82.4	72.0	10.4	67.1	.661	.61	78.8	76.4	NW b W	0.2					
3 „	.840	.175	82.0	72.0	10.0	67.2	.665	.62	78.7	76.6	„	0.5					
4 „	.838	.162	81.0	72.0	9.0	67.8	.676	.66	78.7	76.8	WNW	0.6					
5 „	.854	.210	79.0	70.5	8.5	66.3	.644	.67	77.3	76.9	„	0.7					
6 „	.863	.183	75.8	70.5	5.3	67.9	.680	.78	76.0	76.8	„	0.8	None.	None.	None.	None.	None.
7 „	.879	.203	74.5	70.0	4.5	67.8	.676	.81	75.0	76.8	NW b W	0.7					
8 „	.896	.292	73.5	67.5	6.0	64.3	.604	.74	74.5	76.7	„	0.4					
9 „	.896	.292	73.5	67.5	6.0	64.3	.604	.74	74.5	76.6	„	0.3					
10 „	.902	.271	72.5	68.0	4.5	65.6	.631	.80	73.9	76.5	„	0.2					
11 „	.897	.206	72.0	68.0	4.0	65.9	.637	.82	73.3	76.4	„	0.2					
Feb. 17th-Midnight	.853	.291	70.0	65.0	5.0	62.1	.562	.77	71.3	75.9	WNW	0.0					
1 a. m.	.849	.285	69.8	65.0	4.8	62.2	.564	.78	71.3	75.7	„	0.0					
2 „	.837	.267	69.3	65.0	4.3	62.6	.570	.80	71.2	75.5	„	0.0					
3 „	.833	.263	69.3	65.0	4.3	62.6	.570	.80	71.0	75.4	„	0.0					
4 „	.821	.246	68.8	65.0	3.8	62.8	.575	.83	70.2	75.2	„	0.2		+	1		Above 10m.
5 „	.842	.289	68.0	64.0	4.0	61.6	.553	.81	69.7	75.1	„	0.0					
6 „	.856	.292	67.0	64.0	3.0	62.2	.564	.86	69.4	74.9	„	0.1					
7 „	.892	.319	69.0	65.0	4.0	62.7	.573	.82	70.3	74.8	„	0.1					
8 „	.917	.313	72.0	67.0	5.0	64.3	.604	.78	71.8	74.7	NNW	0.1					
9 „	.930	.315	74.0	68.0	6.0	64.9	.615	.74	73.1	74.9	„	0.1	None.			None.	
10 „	.939	.348	76.2	68.0	8.2	63.7	.591	.67	74.1	75.2	N	0.1					
11 „	.913	.342	78.0	68.0	10.0	62.6	.571	.61	75.1	75.3	NW	0.1					
Noon.	.894	.334	79.0	68.0	11.0	62.0	.560	.58	76.0	75.4	WNW	0.3					
1 p. m.	.861	.257	79.2	69.4	9.8	64.3	.604	.62	76.3	75.8	NW b W	0.5					
2 „	.832	.221	79.8	69.8	10.0	64.7	.611	.62	77.0	75.9	„	0.4					
3 „	.809	.198	79.8	69.8	10.0	64.7	.611	.62	77.0	76.0	WNW	0.6					
4 „	.806	.220	79.6	69.0	10.6	63.4	.586	.60	76.9	76.1	„	0.7					
5 „	.820	.277	77.5	67.0	10.5	61.1	.543	.59	76.2	76.2	NW b W	0.6					
6 „	.830	.259	75.0	67.0	8.0	62.6	.571	.67	75.1	76.3	NW	0.7					
7 „	.853	.271	74.0	67.0	7.0	63.2	.582	.70	74.3	76.3	„	0.7					
8 „	.872	.279	73.0	67.0	6.0	63.8	.593	.74	74.0	76.1	„	0.3					
9 „	.875	.278	72.6	67.0	5.6	64.0	.597	.76	73.3	76.0	„	0.3					
10 „	.878	.308	70.8	65.5	5.3	62.6	.570	.76	72.2	75.9	„	0.1					
11 „	.873	.307	69.6	65.0	4.6	62.3	.566	.79	71.2	75.7	„	0.0					
Feb. 18th-Midnight	.870	.297	69.0	65.0	4.0	62.7	.573	.82	70.5	75.5	NW	0.0					
1 a. m.	.859	.286	69.0	65.0	4.0	62.7	.573	.82	70.4	75.4	„	0.0					
2 „	.851	.278	69.0	65.0	4.0	62.7	.573	.82	70.2	75.3	„	0.0					
3 „	.831	.258	69.0	65.0	4.0	62.7	.573	.82	70.2	75.1	„	0.0					
4 „	.835	.262	69.0	65.0	4.0	62.7	.573	.82	70.2	75.0	„	0.0					
5 „	.851	.246	69.0	66.0	3.0	64.4	.605	.86	70.2	75.0	„	0.2					
6 „	.869	.232	69.0	67.0	2.0	65.9	.637	.91	70.1	74.9	NNW	0.2					
7 „	.890	.278	68.4	66.0	2.4	64.7	.612	.89	70.0	74.8	NE b N	0.1					
8 „	.909	.283	70.0	67.0	3.0	65.4	.626	.86	71.0	74.8	NE	0.1					
9 „	.922	.317	72.5	67.2	5.3	64.4	.605	.77	72.0	74.9	NE b E	0.2					
10 „	.932	.292	74.7	69.0	5.7	66.1	.640	.76	74.0	75.0	„	0.1					
11 „	.913	.364	77.0	67.0	10.0	61.4	.549	.60	74.9	75.1	„	0.2	None.	None.	None.	None.	None.
Noon.	.883	.460	79.4	67.0	12.4	60.0	.523	.53	76.1	75.3	„	0.2					
1 p. m.	.855	.319	82.0	68.5	13.5	60.7	.536	.52	78.0	75.7	NNW	0.1					
2 „	.824	.268	82.4	69.0	13.4	61.8	.556	.51	78.5	76.0	NW	0.6					
3 „	.801	.197	81.0	70.0	11.0	64.8	.604	.59	78.0	76.1	„	1.0					
4 „	.804	.226	80.4	69.0	11.4	63.0	.578	.57	77.9	76.2	„	0.7					
5 „	.816	.223	79.0	69.0	10.0	63.8	.593	.61	77.1	76.3	„	0.9					
6 „	.826	.323	75.4	65.0	10.4	58.8	.503	.58	76.1	76.3	„	0.8					
7 „	.840	.398	75.4	63.0	12.4	55.0	.442	.51	75.4	76.2	NNW	1.2					
8 „	.870	.428	75.4	63.0	12.4	55.0	.442	.51	75.0	76.1	„	0.7					
9 „	.881	.491	72.6	60.0	12.6	50.8	.383	.49	73.3	76.0	N b W	0.2					
10 „	.884	.569	71.2	57.0	14.2	45.0	.315	.42	72.4	75.8	„	0.2					
11 „	.883	.509	70.8	59.0	11.8	50.0	.374	.50	71.9	75.6	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	Remarks.
0	B	Mist around hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	B	"	
0	B	A few pieces of clouds along E hor.	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°7 and 82°5.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	A few ≀≀ along E hor.; mist around hor.	
0	C	" " "	
3	C	≀≀ scattered about moving W; mist in hor.	
0	B	A few pieces of ≀≀ above N hor.; mist in hor.	
0	B	A few pieces of ≀≀ scattered here and there, moving E; mist in hor.	
0	B	" " "	
0	B	A few pieces of clouds in NE above hor.	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	C	"	
0	C	A few ≀ along E hor.	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°6. Temperature of Evaporation at 10 P.M. was 57°0 lowest in the Month, and about 11°7 lower than the Normal Mean. 18th February was the 9th cloudless day.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	Light mist along E hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 19th-Midnight	29.879	29.524	70°0	58°0	12°0	48°5	0.355	0.49	71°0	75°4	N b W	0.0					
1 a. m.	.868	.483	69.8	59.0	10.8	50.9	.385	.54	70.0	75.3	„	0.0					
2 „	.867	.479	69.6	59.0	10.6	51.1	.388	.54	69.8	75.2	„	0.1					
3 „	.863	.460	70.8	60.0	10.8	52.2	.403	.54	68.2	75.1	„	0.6					
4 „	.863	.460	70.8	60.0	10.8	52.2	.403	.54	68.2	75.0	NNW	0.5					
5 „	.879	.476	70.8	60.0	10.8	52.2	.403	.54	68.2	75.0	„	0.2					
6 „	.898	.435	68.0	61.0	7.0	56.3	.468	.68	68.0	74.8	„	0.2					
7 „	.926	.474	67.4	60.4	7.0	55.6	.452	.68	67.7	74.5	N b W	0.1					
8 „	.954	.513	70.0	61.0	9.0	54.9	.441	.61	70.0	74.4	„	0.1					
9 „	.963	.506	74.0	63.0	11.0	55.9	.457	.55	73.0	74.5	„	0.4					
10 „	.967	.528	77.0	63.5	13.5	54.7	.439	.48	75.0	74.8	„	0.3					
11 „	.952	.507	80.5	65.0	15.5	55.2	.445	.44	77.0	75.1	„	0.5					
Noon.	.926	.447	83.3	67.0	16.3	57.3	.479	.43	79.0	75.4	NNW	0.4	None.	None.	None.	None.	None.
1 p. m.	.899	.393	83.8	68.0	15.8	59.0	.506	.44	79.2	75.6	„	0.5					
2 „	.872	.310	83.6	69.6	14.0	62.1	.562	.50	79.7	75.9	„	0.6					
3 „	.850	.301	83.0	69.0	14.0	61.4	.549	.50	80.0	76.1	„	0.7					
4 „	.850	.323	82.0	68.0	14.0	60.2	.527	.49	79.8	76.3	„	1.3					
5 „	.863	.314	80.0	68.0	12.0	61.4	.549	.55	78.5	76.4	„	1.4					
6 „	.875	.390	77.0	65.0	12.0	57.7	.485	.53	76.5	76.4	„	1.5					
7 „	.894	.366	76.0	66.0	10.0	60.3	.523	.60	76.0	76.3	„	1.0					
8 „	.912	.436	75.0	64.0	11.0	57.2	.476	.58	75.3	76.3	„	0.8					
9 „	.921	.398	73.5	65.0	8.5	60.0	.523	.65	73.9	76.1	„	0.4					
10 „	.932	.453	72.0	63.0	9.0	57.3	.479	.62	73.1	76.0	„	0.6					
11 „	.931	.539	71.8	60.0	11.8	51.4	.392	.51	73.0	75.8	„	0.3					
Feb. 20th-Midnight	.922	.488	71.2	61.2	10.0	54.4	.434	.57	72.2	75.6	NNW	0.0					
1 a. m.	.914	.469	71.0	61.5	9.5	55.2	.445	.59	71.8	75.4	„	0.2					
2 „	.904	.439	70.5	62.0	8.5	56.5	.465	.53	71.0	75.3	„	0.0		+	1		Above 10m.
3 „	.901	.430	70.0	62.0	8.0	56.8	.471	.65	70.7	75.1	„	0.2		+ +	4		2.03
4 „	.903	.432	70.0	62.0	8.0	56.8	.471	.65	70.7	75.0	„	0.2		+	1		Above 10m.
5 „	.919	.437	69.0	62.0	7.0	57.5	.482	.69	70.4	75.0	„	0.4					
6 „	.960	.448	69.0	63.0	6.0	59.3	.512	.73	70.2	74.9	„	0.1					
7 „	.978	.466	69.0	63.0	6.0	59.3	.512	.73	70.1	74.7	N	0.1					
8 „	.999	.479	71.0	64.0	7.0	59.8	.520	.69	71.0	74.6	„	0.2					
9 „	30.010	.538	75.4	64.0	11.4	56.9	.472	.54	74.0	74.6	NE b N	0.2					
10 „	.030	.519	79.0	66.5	12.5	59.3	.511	.52	75.1	74.9	NE b E	0.3					
11 „	.004	.441	81.8	69.0	12.8	62.2	.563	.50	77.0	75.3	ENE	0.1					
Noon.	29.977	.356	86.0	72.0	14.0	65.2	.621	.51	80.3	75.8	NE	0.2	None.			None.	
1 p. m.	.944	.316	85.4	72.0	13.4	65.5	.628	.53	80.2	76.0	NNW	0.3		+	2		3.11
2 „	.909	.275	84.8	72.0	12.8	66.8	.634	.55	80.0	76.2	NW	0.5		+ +	1		Above 10m.
3 „	.890	.247	84.0	72.0	12.0	66.2	.643	.57	80.0	76.6	„	0.6					
4 „	.887	.252	83.0	71.5	11.5	65.8	.635	.58	80.0	76.9	„	0.6		+	1		Above 10m.
5 „	.892	.252	81.0	71.0	10.0	66.1	.640	.62	79.6	76.9	„	0.4					
6 „	.899	.261	78.0	70.0	8.0	66.0	.638	.68	78.5	77.0	NW b N	0.8					
7 „	.912	.303	77.5	69.0	8.5	64.6	.609	.66	77.0	77.1	NNW	0.9					
8 „	.940	.314	76.0	79.0	7.0	65.4	.626	.71	76.2	76.9	„	0.6					
9 „	.947	.316	75.5	69.0	6.5	65.6	.631	.73	76.0	76.7	„	0.4					
10 „	.948	.328	74.1	68.2	5.9	65.1	.620	.75	75.0	76.6	„	0.2					
11 „	.949	.321	72.7	68.0	4.7	65.5	.628	.80	74.0	76.5	„	0.1					
Feb. 21st-Midnight	.942	.290	73.6	69.0	4.6	66.6	.652	.80	74.3	76.5	NNW	0.0		+	6		0.56
1 a. m.	.917	.265	73.6	69.0	4.6	66.6	.652	.80	74.0	76.3	„	0.5		+ +	4		2.07
2 „	.893	.241	73.6	69.0	4.6	66.6	.652	.80	73.7	76.2	N b E	0.6		+ +	8		1.24
3 „	.888	.273	74.0	68.0	6.0	64.9	.615	.74	73.9	76.2	NNE	0.6		+ +	2		Above 10m.
4 „	.885	.314	75.0	67.0	8.0	62.6	.571	.67	75.0	76.2	NE	0.7		+	1		Above 10m.
5 „	.900	.318	74.0	67.0	7.0	63.2	.582	.70	74.5	76.1	„	0.3	None.			None.	
6 „	.926	.446	73.6	63.6	10.0	57.4	.480	.59	74.1	76.0	„	0.6					
7 „	.961	.472	73.8	64.0	9.8	58.0	.489	.60	74.0	75.9	„	0.7					
8 „	.990	.525	76.0	64.0	12.0	56.5	.466	.53	75.0	75.8	ENE	0.6					
9 „	.997	.520	77.7	65.0	12.7	57.2	.477	.51	76.2	76.0	„	0.8					
10 „	30.002	.558	81.2	65.2	16.0	55.1	.444	.43	79.0	76.4	NE	0.7					
11 „	29.982	.535	85.0	66.6	18.4	55.3	.447	.37	81.6	76.8	ENE	0.6					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°6.
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	A few pieces of ⌒⌒i in SE hor.	
0	G	" "	
1	G	⌒⌒i scattered from E to S hor.	
1	G	⌒⌒i scattered along E hor.; fresh breezes of wind.	
1	G	" " "	
0	C	A few pieces of ⌒⌒i around hor.; fresh breezes of wind.	
0	C	A few ⌒i in W hor.	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 82°7. At 10 A.M. the corrected reading of Standard Barometer was 30·030 in. greatest in the Month, and about 0·078 in. greater than the Normal Mean.
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	20th February was the 10th cloudless day.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°9 and 82°8. Temperature of Free Air at 3 P.M. 95°0 highest during the Month, and about 13°4 greater than the Normal Mean.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist and fog in hor.	
0	C	Mist around hor.	21st February was the 11th cloudless day.
0	C	" "	
0	B	" "	
0	B	Mist in hor.	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 21st-Noon.	29.957	29.497	87·9	68·0	19·9	56·2	0.460	0.37	83·5	77·2	E	0.3					
1 p. m.	.931	.420	91.0	70.5	20.5	59.3	.511	.36	85.2	77.6	NE	0.4		+	1		Above 10m.
2 „	.918	.446	93.0	70.0	23.0	56.9	.472	.31	87.1	78.0	NE b N	0.3					
3 „	.871	.466	95.0	68.7	26.3	52·4	.405	.23	88.0	78.4	NNE	0.2					
4 „	.868	.363	90.0	70.0	20.0	64.4	.505	.37	87.2	78.7	NW b N	0.2					
5 „	.879	.220	85.8	73.0	12.8	67.0	.659	.55	83.5	78.8	„	0.4	None.			None.	
6 „	.888	.120	80.6	74.6	6.0	71.7	.768	.76	83.0	78.9	„	0.3					
7 „	.896	.223	78.0	71.0	7.0	67.6	.673	.72	79.1	79.0	„	0.5					
8 „	.919	.265	76.5	70.0	6.5	66.7	.654	.73	77.5	78.9	„	0.3					
9 „	.930	.276	76.5	70.0	6.5	66.7	.654	.73	77.0	78.7	„	0.2					
10 „	.932	.301	75.5	69.0	6.5	65.6	.631	.73	76.0	78.6	„	0.1					
11 „	.928	.280	74.0	69.0	5.0	66.5	.643	.78	75.2	78.4	„	0.2					
Feb. 23rd-Midnight	.913	.505	73.0	61.0	12.0	52.6	.408	.51	74.2	77.8	N b W	0.0		+	2		Above 10m.
1 a. m.	.897	.473	72.2	61.3	10.9	53.7	.424	.54	73.1	77.6	„	0.1		+	1		Above 10m.
2 „	.888	.462	71.4	61.0	10.4	53.9	.426	.57	72.2	77.4	„	0·2					
3 „	.885	.482	70.8	60.0	10.8	52.2	.403	.54	72.1	77.2	„	0.1					
4 „	.886	.463	69.0	60.0	9.0	53.7	.423	.60	71.5	77.0	„	0.0					
5 „	.897	.467	71.0	61.0	10.0	54.1	.430	.57	71.5	76.8	„	0.1		+	2		Above 10m.
6 „	.918	.477	70.0	61.0	9.0	54.9	.441	.61	71.4	76.7	„	0.1		+	4		4·10
7 „	.940	.489	71.8	62.0	9.8	55.5	.451	.59	72.5	76.5	NE b N	0·1		+	5		4.25
8 „	.969	.512	74.0	63.0	11·0	55.9	.457	.55	74.0	76.3	NE	0.2		+	3		Above 10m.
9 „	.985	.535	77.4	64.0	13.4	55.5	.450	.49	76.0	76.5	NNE	0.4		+	2		Above 10m.
10 „	.994	.667	89.0	62.0	20.0	46.1	.327	.32	79.8	76.9	„	0.3		+	1		Above 10m.
11 „	.975	.607	87.5	65.0	22.5	49.6	.368	.29	82.5	77.4	N b E	0.2					
Noon.	.945	.429	89.0	70.0	19.0	59.6	.516	.39	83.8	77.7	N	0.3	None.				
1 p. m.	.912	.211	89.0	73.2	15.8	55.6	.631	.48	84.0	78.0	„	0.2		+	2		2.11
2 „	.879	.213	88.6	74.0	14.6	67.3	.666	.51	84.0	78.2	N b W	0.4		+	6	5	1.29
3 „	.862	.164	87.5	74.5	13.0	68.7	.698	.55	83.8	78.4	NW b N	0.5		+	1		Above 10m
4 „	.860	.154	85.0	74.0	11.0	69.1	.705	.60	82·0	78.6	NNW	0.6					
5 „	.875	.247	82.0	71.0	10.0	65.5	.628	.59	81.4	78.6	„	0.3		+	1		Above 10m.
6 „	.882	.289	79.0	69.0	10.0	63.8	.593	.61	79.5	78.6	„	0.3					
7 „	.911	.340	78.0	68·0	11.0	62.6	.571	.61	78.4	78.7	„	0.4		+	1		Above 10m.
8 „	.931	.399	77.0	68.0	9.0	63.2	.582	.64	78.0	78.6	„	0.4		+	1		Above 10m.
9 „	.933	.398	76.8	69.5	7.3	65.8	.635	.70	77.5	78.4	„	0.6		+	2		Above 10m.
10 „	.941	.289	76·2	69.5	5.7	66.6	.652	.76	76.2	78.2	„	0.4		+	4	4	1.00
11 „	.935	.282	73.5	69.0	4.5	66.7	.653	.81	75.0	78.0	„	0.2		+	5	5	0.55
Feb. 24th-Midnight	.931	.333	72.5	67.0	5·5	64.0	.598	.76	74.5	77.8	NNW	0.2		+	4		1.30
1 a. m	.915	.311	70.6	66.5	4.1	64.3	.604	.82	73.4	77.5	„	0.1		+	2		2.17
2 „	.914	.312	70.4	66.4	4.0	64.2	.602	.82	72.5	77.4	„	0.1		+	8	6	1.34
3 „	.910	.296	70.0	66.6	3·4	64.8	.614	.84	72.0	77.3	„	0.0		+	6	4	1.14
4 „	.911	.317	70.0	66.0	4.0	63.8	.594	.82	71.5	77.1	„	0·0		+	20	18	0.37
5 „	.925	.370	69.5	64.6	4.9	61.8	.555	.78	71.4	76.9	„	0.1		+	12	10	4.20
6 „	.941	.410	70.0	64.0	6.0	60.4	.531	.73	71.2	76.8	„	0.1		+	12	10	4.00
7 „	.964	.463	70.0	63.0	7.0	58.7	.501	.69	71.5	76.4	„	0.1		+	5		4.11
8 „	.983	.496	74.0	64.0	10.0	55·8	.487	.59	72.5	76.4	„	0.1		+	4		Above 10m.
9 „	30.002	.590	78.0	63.0	15.0	52.9	.412	.44	76.0	76.6	NE b N	0.5					
10 „	.000	.568	81.7	65.0	16.7	54.3	.432	.41	79.0	77.0	„	0.4					
11 „	29·985	.632	86.0	64.0	22·0	48.3	.353	.29	81.5	77.5	NE b E	0.2	None.				
Noon.	.951	.659	91.5	64.0	27.5	42.9	.292	.19	85.6	78.0	NE	0.1					
1 p. m.	.911	.317	90.0	72.5	17.5	63.8	.594	.44	84.1	78.2	N b W	0.2					
2 „	.883	.239	87.2	73.0	14.2	66.3	.644	.51	83.5	78.4	NW b N	0.4		+	2		Above 10m.
3 „	.861	.215	87.0	73.0	14.0	66.4	.646	.52	83.5	78.6	NW	0.3		+	1		Above 10m.
4 „	.857	.200	86.0	73.0	13.0	66.9	.657	.54	83.3	78.8	NW b W	0.4		+	1		Above 10m.
5 „	.880	.162	84.0	74.0	10.0	69.6	.718	.63	82.2	78.8	NW	0.2		+	4	4	1.20
6 „	.897	.210	80.0	72.0	8.0	68·2	.687	.69	80.3	78.8	NNW	0.3		+	3		1·30
7 „	.914	.276	78.0	70.0	8.0	66.0	.638	.68	79.0	78.8	„	0.4		+	3		1.10
8 „	.937	.313	77.4	69.4	8.0	65.3	.624	.68	78.2	78.7	„	0.2		+	4	4	1.05
9 „	.944	.386	76.2	67.0	9.2	61.9	.558	.63	77.3	78.6	„	0.3					
10 „	.946	.503	75.3	63·0	12.3	55.0	.443	.51	76.5	78.4	„	0.2					
11 „	.937	.461	75.0	64·0	11.0	57.2	.476	.56	75.6	78.2	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
0	B	Mist and hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	Mist along E hor.	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°8. 23rd February was the 12th cloudless day.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 82°8. 24th February was the 13th cloudless day.
0	G	Cloudless and dew falling.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	Mist along E hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 25th-Midnight	29.924	29.437	74°0	64°0	10°0	57°8	0.487	0.59	75°1	78°1	NNW	0.0					
1 a. m.	.909	.373	72.4	65.0	7.4	60.7	.536	.68	73.8	77.8	„	0.0					
2 „	.892	.339	72.6	65.0	7.0	61·6	.553	.70	73.5	77.7	„	0.2		+	2		2.21
3 „	.884	.323	73.0	66.0	7.0	62.1	.561	.70	74.0	77.6	„	0.2		+	4		1.34
4 „	.893	.358	72.5	65.0	7.5	60.6	.535	.68	73.3	77.4	„	0.0		+	1		Above 10m.
5 „	.905	.406	70.2	63.0	7.2	58.6	.499	.68	72.5	77.2	„	0.0		+	6		4.05
6 „	.928	.446	69.0	62.0	7.0	57.5	.482	.69	71.6	77.1	„	0.1		+	7		3.15
7 „	.948	.382	72.5	66.0	6.5	62.3	.566	.72	73.3	76.9	„	0.1		+	20	20	2.45
8 „	.966	.440	74.4	65.4	9.0	60.1	.526	.63	74.2	76.8	N b W	0.1		+	10	10	2.45
9 „	.978	.446	76.4	65.0	11.4	58.1	.492	.55	75.0	77.0	„	0.1	None.				
10 „	.980	.456	79.3	67.0	12.3	60.0	.524	.53	77.2	77.2	N	0.1					
11 „	.962	.510	85.6	67.0	18.6	55.6	.452	.38	81.0	77.6	N b W	0.1					
Noon.	.934	.587	89.4	65.0	24.4	47.8	.347	.25	83.7	77.8	„	0.1					
1 p. m.	.899	.414	90.6	69.6	21.0	57.7	.485	.37	84.2	78.1	„	0.2					
2 „	.870	.294	90.0	72.0	18.0	62.9	.576	.42	83.6	78.4	N W b N	0.3					
3 „	.849	.165	88.0	74.3	13.7	68.1	.684	.53	83.0	78.7	„	0.5					
4 „	.840	.187	86.4	73.0	13.4	66.7	.653	.53	83.0	78.8	„	0.5					
5 „	.847	.163	84.2	73.2	11.0	68.1	.684	.60	82.3	78.9	„	0.4					
6 „	.866	.215	80.0	71.0	9.0	66.6	.651	.65	80.5	79.0	„	0.5					
7 „	.880	.287	79.0	69.0	10.0	63·8	.593	.61	79.2	79.0	NNW	0.5		+	2		2.30
8 „	.912	.374	78.0	67.0	11.0	60.8	.538	.57	78.6	78.8	„	0.1					
9 „	.914	.475	76.2	63.2	13.0	54.7	.439	.49	77.0	78.7	„	0.1					
10 „	.915	.566	75.6	60.0	15.6	48.0	.349	.40	76.2	78.4	„	0.0					
11 „	.905	.511	74.3	61.0	13.3	51.6	.394	.47	75.4	78.2	„	0.1					
Feb. 26th-Midnight	.893	.507	75.0	61.0	14.0	51.0	.386	.45	75.7	78.2	NNW	0.0					
1 a. m.	.880	.437	74.0	62.5	11.5	55.0	.443	.53	74.8	78.1	„	0.0		+	1		Above 10m.
2 „	.859	.395	73.4	63.0	10.4	56·4	.464	.57	73.6	78.0	„	0.0					
3 „	.859	.380	72.0	63.0	9.0	57.3	.479	.62	73.0	77.8	„	0.2		+	2		1.29
4 „	.858	.347	71.8	64.0	7.8	59.3	.511	.67	72.7	77.6	„	0.1		+	1		Above 10m.
5 „	.878	.380	73.0	64.0	9.0	58.5	.498	.62	72.7	77.5	„	0.1		+	10		Above 10m.
6 „	.896	.362	72.5	65.0	7.5	60.6	.534	.68	72.6	77.4	NE	0.1		+	18	18	1.45
7 „	.923	.336	72.7	66.7	6.0	63.4	.587	.74	73.5	77.3	„	0.1		+	20	20	1.30
8 „	.945	.374	75.0	67.0	8.0	62.6	.571	.67	74.8	77.1	„	0.1		+	20	20	1.05
9 „	.959	.442	77.0	66.0	11.0	59.6	.517	.57	76.0	77.1	„	0.2					
10 „	.961	.423	79.5	67.5	12.0	60.8	.538	.55	77.0	77.4	ENE	0.2		+	4		1.00
11 „	.940	.493	83.3	66.0	17.3	55.3	.447	.40	80.0	77.7	„	0.2	None.				
Noon.	.917	.545	90.0	66.0	24.0	49.9	.372	.27	84.4	78.2	„	0.1					
1 p. m.	.894	.303	92.0	73.0	19.0	63.7	.591	.41	85.0	78.5	N b W	0.2					
2 „	.863	.140	89·4	75.7	13.7	69.8	.723	.54	85.0	78.8	NW	0.5		+	12		0.38
3 „	.843	.079	88.5	76.5	12.0	71.5	.764	.59	84.8	79.0	NW b W	0.4		+	6		1.26
4 „	.834	.032	86.8	77.0	9.8	73.0	.802	.65	84.0	79.1	„	0.5		+	20	20	Above 10m.
5 „	.848	.051	85.5	76.5	9.0	72.9	.797	.67	83.4	79.3	„	0.2		+	20	20	2.40
6 „	.866	.177	81.5	72.5	9.0	68.3	.689	.66	81.8	79.4	„	0.2		+	5		4.10
7 „	.887	.200	80.0	72.0	8.0	68.2	.687	.69	80.3	79.5	NW	0.1		+	20	20	4.25
8 „	.918	.314	78.0	69.0	9.0	64.5	.604	.64	78.5	79.4	„	0.1		+	15	15	Above 10m.
9 „	.913	.264	77.0	70.0	7.0	66.5	.649	.71	78.0	79.1	„	0.1		+	16	16	2.00
10 „	.912	.254	76.2	70.0	6.2	66.9	.658	.74	77.0	79.0	„	0.0		+	10	8	1.00
11 „	.902	.269	76.0	69.2	6.8	65.7	.633	.72	76.9	78.8	„	0.0					
Feb. 27th-Midnight	.895	.398	75.6	68.0	7.6	64.0	.597	.69	76.6	78.8	NW	0.1		+	4		0.56
1 a. m.	.881	.247	75.3	69.0	6.3	65.8	.634	.72	76.3	78.6	„	0.1		+	2		2.09
2 „	.865	.228	75.0	69.0	6.0	65.9	.637	.75	76.0	78.5	NNW	0.2		+	12		1.24
3 „	.848	.246	74.6	68.6	6.0	64.2	.602	.75	75.0	78.4	„	0.2		+	6		1.37
4 „	.850	.249	72.8	67.2	5.6	64.2	.601	.76	74.0	78.1	„	0.1	None.	+	2	None.	Above 10m.
5 „	.868	.285	72.5	66.5	6.0	63.2	.583	.74	74.0	77.9	„	0.1					
6 „	.888	.428	71.0	62.0	9.0	56.2	.460	.61	73.0	77.8	„	0.1					
7 „	.915	.534	71.5	59.5	12.0	50.6	.381	.50	73.4	77.7	„	0.1					
8 „	.936	.440	76.0	65.0	11.0	58.4	.496	.56	75.8	77.6	„	0.1					
9 „	.936	.347	80.0	69.2	10.8	63.5	.589	.59	78.0	77.7	NE b N	0.2					
10 „	.935	.488	80.2	68.0	12.2	61.3	.547	.54	78.5	77.9	„	0.1					
11 „	.916	.510	84.0	65.0	19.0	64.3	.406	.36	80.2	78.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩≀ cumulo-strati; and ∨≀ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 82°9.
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	25th February was the 14th cloudless day.
0	G	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°3 and 82°9.
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	26th February was the 15th cloudless day.
0	G	" "	
0	C	" "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°0.
0	G	"	
0	G	"	
0	G	"	27th February was the 10th day on which the sky remained almost cloudless.
0	G	Cloudless and dew falling.	
0	C	" "	
0	C	A few streaks of ≀ along E hor.; mist in hor.	
0	C	Mist around hor.	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Feb. 27th–Noon.	29.893	29.348	92°8	72°0	20°8	61°2	0.545	0.37	85°4	78°7	NE b N	0.1					
1 p. m.	.848	.204	91.7	74.3	17.4	66.3	.644	.45	85.0	79.0	NW	0.2					
2 „	.823	.073	88.0	76.0	12.0	71.0	.759	.58	84.1	79.2	NW b W	0.4		+	4		2.14
3 „	.813	.083	88.0	75.5	12.5	70·1	.730	.57	84.0	79.4	„	0.3		+	1		Above 10m.
4 „	.809	.057	87.8	76.0	11.8	71·0	.752	.59	84.0	79.4	NW	0·2	None.	+	1	None.	Above 10m.
5 „	.829	.059	86.6	76.2	10.4	71.8	.770	.63	84.1	79.5	„	0.1		+	2		Above 10m.
6 „	.851	.074	82.0	75.0	7.0	72.0	·777	.73	82.0	79.6	„	0.1	None.	+	10	None.	1.15
7 „	.872	.111	80.0	74.0	6.0	71.4	.761	.76	80.6	79.7	„	0.1		+	4		1.20
8 „	.895	.050	79.4	76.0	3.4	74.7	.845	.86	80.0	79.6	„	0.1		+	10		2.25
9 „	.896	.081	78.5	75.0	3.5	73.5	.815	.86	79.2	79.5	„	0.1		+	6		0·55
10 „	.897	.172	76.5	72.0	4.5	69.9	.725	.81	78.0	79·5	„	0.1		+	4		1.40
11 „	.888	.217	75.0	70.0	5.0	67.5	.671	.79	76.3	79.3	„	0.0					
Feb. 28th–Midnight	.877	.167	74.6	71.0	3.6	69.3	.710	.84	76.0	79.2	NW b W	0.0		+	4		1.00
1 a. m.	.864	.180	73.8	70.0	3.8	68.1	.684	.83	75.0	78.9	„	0.0		+	2		1.21
2 „	.849	.185	73.2	69·2	4.0	67.2	.664	.82	75.0	78.8	„	0.0		+	1		Above 10m
3 „	.841	.204	72.0	68.0	4.0	65.9	.637	.82	74.5	78.7	„	0.0					
4 „	·850	·180	72.0	69.0	3.0	67.5	.670	.87	74.2	78·5	„	0.1					
5 „	.840	.181	73.0	69.0	4.0	67.0	.659	.82	74.2	78.3	„	0.0		+	4		Not observd.
6 „	.861	.224	72.0	68.0	4.0	65.9	.637	.82	74.0	78.2	N b W	0.1		+	2		Not observd.
7 „	.892	.295	72·5	67.0	5.6	64.0	.597	.75	74.0	78.0	„	0.4		+	1		Not observd.
8 „	.910	·233	75.0	68.6	6·4	67.8	.677	.73	75.2	78.0	NE b N	0.3		+	0		Not observd.
9 „	.932	.332	77.8	68.8	9.0	64.1	.600	.64	77.0	78.1	NE	0.1		+	1		Not observd.
10 „	.931	.315	80.0	70.0	10.0	64.9	.616	.62	78.4	78.3	NE b E	0.1		+	1		Not observd.
11 „	.908	.269	84.5	72.0	12.5	66.0	.639	.56	81.0	78.3	„	0.2					
Noon.	.875	.254	86.0	72.0	14.0	65.2	.621	.51	82.0	78.5	N	0.2	None.			None.	
1 p. m.	.829	.194	88.0	73.0	15.0	65.8	.635	.49	84.0	78.7	NNW	0.3					
2 „	.801	.112	88.6	74.6	14.0	68.3	.689	.53	84.2	79.1	NW	0.2		+	1		Not observd.
3 „	.793	.015	89.0	77.0	12.0	72.1	.778	.59	85.4	79.3	NW b W	0.4		+	8		Not observd.
4 „	.787	28·947	87.0	78.0	9.0	74.5	.840	.67	84.2	79.5	„	0.3		+	6		Not observd.
5 „	.790	.994	84.6	76.2	8.4	72.8	.796	.69	83.0	79.7	NW b N	0.8		+	4		Not observd.
6 „	.796	29.032	81.6	74.0	7.6	71.5	·764	.74	81.2	79.7	„	0.5		+	2		Not observd.
7 „	.826	.089	80.5	73.5	7.0	70.4	.737	.73	80.0	79.8	„	0.3		+	1		Not observd.
8 „	.849	.222	79.0	70.0	9.0	75.6	.627	.65	80.0	79.9	„	0.1		+	1		Not observd.
9 „	.878	.285	79.0	69.0	10.0	63.8	.593	.61	78.5	79.8	„	0.1					
10 „	.878	.361	77.0	66.0	11.0	59.6	.517	.57	77.8	79.6	„	0.1					
11 „	.849	.253	77.2	68.5	8.7	63.9	.596	.65	77.2	79.4	„	0.1					
Mar. 1st–Midnight	.836	.133	78.5	72.0	6.5	69.0	.703	.74	78.3	79.3	NNW	0.1		+	4		
1 a. m.	.831	.111	77·0	72.0	5.0	69.7	.720	.79	76.0	79.2	„	0.1		+	2		1.26
2 „	.816	.158	76.2	70.0	6.2	66.9	.658	.74	74.0	79.0	„	0.0					
3 „	.813	.133	75.8	70.5	5.3	67.9	.680	.78	73.7	79.0	„	0.0					
4 „	.813	.114	75.6	71.0	4.6	68.8	.699	·81	73.1	78.9	„	0.0		+	1		Above 10m.
5 „	.837	.120	74.0	71.0	3.0	69.6	.717	.87	73.1	78.8	„	0.0					
6 „	.862	.144	72.6	70.6	2.0	69.6	.718	.91	73.0	78.6	„	0.1					
7 „	.891	.198	73·0	70.0	3.0	68.5	.693	.87	74.1	78.5	„	0.1					
8 „	.916	.256	76·0	70.0	6.0	67.0	.660	.75	76.0	78.5	NNE	0.1					
9 „	.935	.243	79.5	72.0	7.5	68.5	.692	.70	78.1	78.6	NE	0.1					
10 „	.932	.212	82.0	73.5	8.5	69.7	.720	.68	79.7	78.8	ENE	0.3					
11 „	.914	.159	84.0	75.0	9.0	71.2	.755	.67	81.5	79.0	SE b S	0.2					
Noon.	.883	·106	85.5	76.0	9.5	72.0	.777	.66	82.4	79.3	WSW	0.4	None.			None.	
1 p. m.	.852	.036	85·5	77.0	8.5	73.6	.816	.70	83.0	79.4	WNW	0.5					
2 „	.828	28.956	86.0	78.5	7.5	75.6	.872	.72	83.2	79.5	W b N	0.2					
3 „	.802	.940	85.0	78.0	7.0	75.3	.862	.74	83.0	79.7	„	0.3					
4 „	.789	.953	85·0	77.6	7.4	74.3	.836	.72	83.0	79.8	NW b W	1.4					
5 „	.791	29.025	83.0	75.0	8.0	71.6	.766	.70	81.6	79.9	NW	0.6					
6 „	.796	28.999	80.2	75.0	5.2	72.9	.797	.79	80.2	79.8	NNW	0.5					
7 „	.814	29.098	78.5	72.0	6.5	69.5	.716	.78	78.3	79.8	„	0.1					
8 „	.827	.099	77.3	72·0	5.3	70.0	.728	.81	77.6	79.6	„	0.3					
9 „	.850	.080	77.5	73.5	4.0	71.8	.770	.83	77·6	79.5	„	0.2					
10 „	.850	.080	77.5	73.5	4.0	71.8	.770	.83	77.6	79.5	S	0.4					
11 „	.848	.065	78.0	74.0	4.0	72·3	.783	.83	78.3	79.5	S b W	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
0	B	Mist around hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	Cloudless; dew falling.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°0. Temperature of Evaporation at 4 P.M. was 78° greatest in the month, and about 5°2 greater than the Normal Mean.
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	G	Mist around hor.	28th February was the 16th day on which the sky remained entirely cloudless.
0	G	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	G	Cloudless.	
0	G	"	
0	C	"	
0	C	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°0. The Temperature of Evaporation at 2 P.M. was 78°5 greatest in the month, and about 5°4 greater than the Normal Mean.
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	1st March was the 19th cloudless day; this was the 5th on which wind blew abnormally.
0	C	Mist around hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Mar. 3rd-Midnight	29.833	29.102	76°0	72°0	4°0	70°2	0°731	0.83	76°7	79°5	NW b N	0.4		+			
1 a. m.	.804	.079	75.2	71.6	3.6	69.9	.725	.84	76.6	79.2	,,	0.2					
2 ,,	.786	.068	74.6	71·2	3.4	69.6	.718	.85	76.0	79.0	NNW	0.1		+	3		0.08
3 ,,	.774	.047	73.8	71.2	2.6	70.1	.727	.89	75.4	79.0	,,	0.0					
4 ,,	·778	.043	73.0	71.2	1.8	70.3	.735	.72	75.0	78.8	,,	0.0					
5 ,,	.792	.032	73.4	72.0	1.4	71.4	.760	.94	75.0	78.5	,,	0.0					
6 ,,	.811	.051	73.4	72.0	1.4	71.4	.760	.94	74.8	78.4	,,	0.1		+	1		Above 10m.
7 ,,	.833	.073	73.4	72.0	1.4	71.4	.760	.94	74.8	78.4	,,	0.1		++	2		2.11
8 ,,	.861	·117	76.5	72.5	4.0	70.7	.744	.83	75.4	78.4	,,	0.2		+	1		Above 10m.
9 ,,	.887	.193	77.1	71.4	6·0	68·6	.694	.75	77.1	78.5	,,	0.1					
10 ,,	.889	.231	79.4	71.0	8.4	66.9	.658	.67	78.4	78.6	,,	0.5					
11 ,,	.881	.205	81.0	72.0	9.0	67.8	.676	.66	79.4	78.8	,,	0·5	None.			None.	
Noon.	.849	.249	81.4	70·0	11.4	64.1	.600	.57	79.5	78.8	,,	0.8					
1 p. m.	.822	.231	82.2	70.0	12.2	63.6	.591	.55	79.5	78.9	NW b W	1.2					
2 ,,	.795	.206	82.4	70.0	12.4	63.5	.589	.54	79.8	79.0	,,	1.5					
3 ,,	.775	.181	81.3	69.8	11.5	63.8	.594	.57	79.5	79.0	,,	1.8					
4 ,,	.764	.130	80.2	70·6	9.6	65.8	.634	.63	78.8	79.0	,,	1.8					
5 ,,	.770	.175	78.8	69.0	9.8	63.9	.595	.64	76.1	79.0	,,	1.0					
6 ,,	.790	.132	76.2	70.0	6.2	66.9	.658	.74	76.0	79.0	,,	1.2					
7 ,,	.801	.102	75.0	70.8	4.2	68.8	.699	.82	75.9	78.8	,,	1·3					
8 ,,	.817	.109	74.8	71.0	3.8	69.2	.708	.83	75.0	78.8	NW	1.2					
9 ,,	.831	.149	74.0	70.0	4.0	68.0	.682	.83	74.8	78.6	,,	1.0					
10 ,,	.833	.162	73.5	69.5	4.0	67.5	.671	.83	74.6	78.5	,,	0.8					
11 ,,	.831	.172	73.0	69.0	4.0	67.0	.659	.82	74.5	78.4	,,	0.6					
Mar. 4th-Midnight	.827	.168	73.0	69.0	4.0	67.0	.659	.82	74.4	78.3	NW	0.5					
1 a. m.	.806	.175	73.0	68.8	4.2	65.6	.631	.82	74.1	78.1	,,	0.5					
2 ,,	.797	.168	72.7	68.0	4.7	65.5	.629	.80	73.9	78·0	NW b N	0.7					
3 ,,	.791	.205	72.3	66.5	5·8	63.4	.586	.75	73.5	77.9	,,	0.4					
4 ,,	.790	.218	72.0	66.0	6.0	62.7	.572	.74	73.2	77.8	NNW	0.5					
5 ,,	.799	.188	71.4	67.0	4.4	64.7	.611	.80	73.0	77.6	,,	0.6					
6 ,,	.823	.197	70.0	67.0	3.0	65.4	.626	.86	72.0	77.4	,,	0.4					
7 ,,	.860	.266	71.5	66.5	5.0	63.8	.594	.78	70.6	77.2	,,	0.3					
8 ,,	.885	.299	72.2	66.5	5.7	63.4	.586	.75	73.0	77.2	N b W	0.2					
9 ,,	.901	.340	74·5	66.5	8.0	62.1	.561	.67	74.3	77.3	NNE	0.3					
10 ,,	.897	.344	77.2	67.2	10.0	61.6	.553	.60	75.9	77.4	N b W	0.2					
11 ,,	.875	.297	78.6	68.4	10.2	63.0	.578	.61	76.8	77.5	NNW	0.4					
Noon.	.840	.271	79.4	68.4	11.0	62.5	.569	.58	77.4	77.6	,,	0.3	None.				
1 p. m.	.811	.254	79.9	68.5	11.4	62.4	.567	.57	77·5	77.7	NW b W	0.8					
2 ,,	.792	.236	79.4	68.0	11.4	61.8	.556	.56	77.3	77.7	,,	0.7					
3 ,,	.780	.224	79.4	68.0	11.4	61.8	.556	.56	77.4	77.7	,,	0.8					
4 ,,	.776	.213	78.7	68.0	10.7	62.2	.563	.59	77.0	77.7	,,	0.8					
5 ,,	.784	.200	77·4	68.2	9.2	63.3	.584	.63	76.0	77.7	NW	0.8					
6 ,,	.790	·208	74.0	67·0	7.0	63.2	.582	.70	75.1	77.7	,,	0.7					
7 ,,	.800	.227	73.5	66.5	7.0	62.7	.572	.70	74.0	77.6	,,	0.6					
8 ,,	.823	.262	73.0	66.0	7.0	62.1	.561	.70	73.1	77.5	,,	0·7					
9 ,,	.843	.299	72.8	65.4	7.4	61.2	.544	.69	73.0	77.4	,,	0.4					
10 ,,	.836	.275	73.0	66·0	7.0	62.1	·561	.70	73.0	77.4	,,	0.2					
11 ,,	.830	.247	72.5	66.5	6.0	63.2	.583	.74	72.9	77.3	,,	0.1		+	18	16	0.45
Mar. 5th-Midnight	.816	.265	71.0	65.0	6.0	61.5	.551	.74	72.6	77.2	NW	0.1		+	10	8	1.10
1 a. m.	.803	.306	70.4	63.0	7.4	58.4	.497	.67	72·3	77.2	,,	0.2		+	4		2.18
2 ,,	.786	.285	70.0	63.0	7.0	58.7	.501	·69	71.8	77.0	,,	0.1		+	1		Above 10m.
3 ,,	.788	.287	70.0	63.0	7.0	58·7	.501	.69	71.5	77.0	,,	0.1		+	6		0.55
4 ,,	.790	.250	69.2	64.0	5.2	60.9	.540	.77	70.8	76.7	,,	0.1		+	5		1.00
5 ,,	.803	.249	69.0	64.4	4.6	61.7	.554	.79	70.0	76.6	,,	0.2		+	8	6	0·49
6 ,,	.826	.249	69.2	65.2	4·0	62.9	.577	.82	69.9	76.4	,,	0.3		+	4		2.11
7 ,,	.851	.242	70.4	66.6	3.8	64·6	.609	.83	69.9	76.2	NNW	0.1	None.	+	8	6	1.38
8 ,,	.881	.298	72.8	66.6	6.2	63.2	.583	.73	71.5	76.2	,,	0.2		+	10	8	1.57
9 ,,	·901	.297	75.0	68.0	7.0	64.3	.604	.71	74.2	76.4	N b E	0.3					
10 ,,	.897	.293	78·0	69.0	9.0	64.3	.604	.64	76.4	76.6	NNW	0.3					
11 ,,	.888	.252	79.8	70·5	9·3	65.9	.636	.64	77.8	76.8	NW	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩⌣≀ cumulo-strati; and ≀≀≀ nimbi.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°8.
0	N	Cloudless; dew falling.	
0	N	" "	
0	N	" "	
0	N	A few pieces of ≀≀ in W hor.; dew falling.	
0	G	A few pieces of ≀≀ above E hor.; dew falling.	
0	G	A few pieces of ≀≀ above E hor.; dew falling.	
0	G	≀≀ scattered along E hor.; mist around hor.	
0	G	A few pieces of ≀≀ around hor.; mist in hor.	
0	C	" " "	
0	C	" " "	
0	C	Mist around hor.	
0	C	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	N	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	G	A few pieces of ≀≀ in hor.	
2	C	≀≀ scattered here and there.	
0	C	A few clouds above E and W hor.	
0	C	Cloudless.	
3	C	≀ and ≀≀ scattered about, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°6.
5	B	≀≀ scattered about moving SE.	
6	B	" " "	
5	B	" " "	
5	B	" " "	
4	G	≀≀ scattered about moving SSE.	
2	G	≀≀ scattered about moving SSE; mist in hor.	
1	G	≀ and ≀≀ scattered about hor.; mist in hor.	
0	G	A few clouds around hor.; mist in hor.	
0	C	" " "	
0	C	" " "	
0	C	Mist in hor.	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 82°6. 5th March was the 20th cloudless day.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	"	
0	G	Mist in hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of Intensity after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 5th-Noon.	29.850	29.246	81°0	70°0	11°0	64°3	0.604	0.59	78°2	77°1	NW b N	0.6					
1 p. m.	.813	.209	82.6	70.5	12.1	64.3	.604	.56	79.5	77.3	NW	0.8					
2 „	.786	.197	82.4	70.0	12.4	63.5	.589	.54	79.2	77.3	„	1.0					
3 „	.768	.179	82.4	70.0	12.4	63.5	.589	.54	79.5	77.5	„	1.0					
4 „	.766	.180	82.6	70.0	12.6	63.4	.586	.54	79.8	77.6	„	1.0					
5 „	.766	.162	81.0	70.0	11.0	64.3	.604	.59	79.5	77.8	„	1.0					
6 „	.769	.198	78.0	68.0	10.0	62.6	.571	.61	78.4	78.0	NW b N	0.5	None.	None.	None.	None.	None.
7 „	.782	.200	77.0	68.0	9.0	63.2	.582	.64	77.3	78.2	„	0.6					
8 „	.804	.226	76.8	67.8	9.0	63.0	.578	.64	77.0	78.3	„	0.3					
9 „	.823	.252	76.5	67.5	9.0	62.6	.571	.64	76.7	78.2	„	0.2					
10 „	.824	.243	75.6	67.5	8.1	63.1	.581	.67	76.3	78.0	„	0.1					
11 „	.823	.273	74.0	66.0	8.0	61.5	.550	.67	76.0	77.7	„	0.1					
Mar. 7th-Midnight	.835	.067	76.0	73.0	3.0	71.7	.768	.87	77.3	78.6	NW	0.2					
1 a. m.	.802	.074	76.3	72.0	4.3	70.0	.728	.82	77.0	78.5	„	0.2					
2 „	.786	.055	76.0	72.0	4.0	70.2	.731	.83	77.0	78.5	NW b N	0.1					
3 „	.776	.053	74.5	71.3	3.2	69.8	.723	.86	76.2	78.5	„	0.0					
4 „	.764	.047	74.0	71.0	3.0	69.6	.717	.87	75.3	78.3	NNW	0.0					
5 „	.769	.005	73.0	72.0	1.0	71.5	.764	.95	75.0	78.2	„	0.1					
6 „	.791	.027	73.0	72.0	1.0	71.5	.764	.95	74.8	78.1	EWE.	0.2					
7 „	.819	.042	73.5	72.5	1.0	72.0	.777	.96	75.0	78.1	SE b E	0.3					
8 „	.832	.073	76.8	73.0	3.8	71.3	.769	.84	76.7	78.0	SE b S	0.1	None.			None.	
9 „	.853	.115	78.7	73.0	5.7	70.5	.738	.77	78.0	78.2	SE	0.1					
10 „	.851	.173	80.8	72.0	8.8	67.8	.678	.66	79.4	78.4	„	0.1					
11 „	.837	.147	83.0	73.0	10.0	68.4	.690	.63	80.5	78.6	S	0.2					
Noon.	.814	.134	84.6	73.2	11.4	67.9	.680	.59	81.3	78.7	NW b W	0.1					
1 p. m.	.789	.051	85.5	75.0	10.5	70.5	.738	.62	82.3	78.8	W b S	0.3					
2 „	.769	28.997	86.0	76.0	10.0	71.8	.772	.64	82.5	79.0	W	0.2					
3 „	.749	.977	86.0	76.0	10.0	71.8	.772	.64	82.5	79.2	W b S	0.1					
4 „	.742	.963	85.4	76.0	9.4	72.1	.779	.66	82.7	79.5	W	0.1					
5 „	.753	.942	84.2	76.5	7.7	73.4	.811	.71	82.0	79.5	W b S	0.1					
6 „	.765	.947	81.8	76.0	5.8	73.6	.810	.76	81.2	79.6	WSW	0.1		+	1		Above 10m.
7 „	.785	.979	79.4	75.0	4.4	73.2	.806	.82	81.0	79.6	„	0.2		+	12		Above 10m
8 „	.809	.999	79.0	75.0	4.0	73.3	.810	.84	80.6	79.5	„	0.0		+	1		Above 10m.
9 „	.822	29.007	78.5	75.0	3.5	73.5	.815	.86	79.0	79.4	„	0.2					
10 „	.822	.001	78.0	75.0	3.0	73.8	.821	.87	78.4	79.4	SSW	0.1					
11 „	.823	.053	77.5	73.5	4.0	71.8	.770	.83	78.0	79.3	„	0.1					
Mar. 9th-Midnight	.812	28.952	78.0	76.0	2.0	75.2	.860	.92	78.4	79.7	S b W	0.1					
1 a. m.	.785	.941	77.7	75.5	2.2	74.6	.844	.91	78.4	79.7	SW b S	0.1					
2 „	.779	.914	77.5	76.0	1.5	75.4	.865	.94	78.2	79.6	SW	0.2					
3 „	.779	.942	77.3	75.2	2.1	74.4	.837	.91	78.0	79.6	W	0.2					
4 „	.784	.852	77.0	75.0	2.0	74.2	.832	.91	78.0	79.5	„	0.2					
5 „	.806	.969	76.5	75.0	1.5	74.4	.837	.94	77.6	79.4	SSE	0.2					
6 „	.819	.985	76.8	75.0	1.8	74.3	.834	.92	77.0	79.4	„	0.4					
7 „	.839	29.007	77.0	75.0	2.0	74.2	.832	.91	77.0	79.4	„	0.5					
8 „	.864	.021	78.8	75.8	3.0	74.6	.843	.88	77.8	79.4	„	0.6					
9 „	.890	.041	80.4	76.4	4.0	74.9	.849	.84	79.8	79.5	„	0.3					
10 „	.896	.026	82.5	77.5	5.0	75.6	.870	.80	81.2	79.8	S b E	0.6					
11 „	.887	.014	84.0	78.0	6.0	75.7	.873	.77	82.1	79.9	S b W	0.5	None.	None.	None.	None.	None.
Noon.	.862	.000	85.0	78.0	7.0	75.3	.862	.74	83.2	80.2	SSW	0.7					
1 p. m.	.835	28.979	85.5	78.0	7.5	75.1	.856	.72	83.2	80.3	SW b S	0.7					
2 „	.808	.955	86.6	78.2	8.4	75.0	.853	.69	83.5	80.4	„	0.8					
3 „	.790	.941	86.2	78.0	8.2	74.8	.849	.70	83.5	80.5	„	0.7					
4 „	.792	.936	85.5	78.0	7.5	75.1	.856	.72	83.3	80.5	SW b W	0.7					
5 „	.804	.981	83.8	76.7	7.1	73.8	.823	.73	83.0	80.7	WSW	0.6					
6 „	.819	.992	81.0	76.0	5.0	74.0	.827	.80	82.5	80.8	„	0.5					
7 „	.835	.995	79.8	76.0	3.8	74.5	.840	.85	82.0	80.7	„	0.3					
8 „	.849	.997	78.7	76.0	2.7	74.9	.852	.89	81.3	80.7	„	0.2					
9 „	.870	29.038	78.4	75.4	3.0	74.2	.832	.87	79.9	80.6	„	0.2					
10 „	.868	.047	78.0	75.0	3.0	73.8	.821	.87	79.2	80.4	SW b W	0.1					
11 „	.859	.035	77.7	75.0	2.7	73.9	.824	.89	78.9	80.3	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌐i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
0	C	Mist in hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°8. The height of Barometer at 4 P.M. was 29·742 in. lowest during the month, and about 0·099 in. lower than the Normal Mean.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist around hor.	7th March was the 11th day which was considered almost cloudless. This was the 6th day on which wind blew abnormally.
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Mist along E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	A few ⌐i in E hor.; dew falling.	
0	G	" "	
0	G	" "	
0	C	A few light ⌐i scattered here and there; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 82°8. Temperature of Calculated Dew-point at 11 A.M. was 75°7 greatest in the month and about 6°1 greater than the Normal Mean.
2	B	∿i scattered about hor.; dew falling.	
6	B	∿i scattered throughout moving NE; dew falling.	
5	B	" " "	
5	B	∿i scattered about moving N; dew falling.	
5	G	" " "	
5	G	∿i scattered about; mist in hor.	
6	G	∿i scattered about, moving NW; mist along E hor.	9th March was the 7th day on which wind blew abnormally.
5	G	" " "	
5	C	" " "	
4	C	" " "	
3	C	" " "	
0	C	A few ⌐i scattered here and there; mist in hor.	
0	B	Mist in hor.	
0	B	" "	
0	B	∿i scattered about moving NE.	
4	B	" " "	
6	G	∿i scattered throughout moving NNE.	
6	G	" " "	
5	G	∿i scattered about moving NE.	
4	G	" " "	
3	C	" " "	
3	C	∿i scattered about moving E.	
3	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 10th-Midnight	29.844	29.012	77°0	75°0	2°0	74°2	0.832	0·91	78°6	80°2	SW b W	0.1					
1 a. m.	.817	·018	76·5	74.0	2.5	73.0	.799	.89	78.0	80.2	„	0.0					
2 „	.814	.015	76.5	74.0	2.5	73.0	.799	.89	78.0	80.2	SW	0.0					
3 „	.802	.004	76.6	74.0	2.6	72.9	.798	.89	77.6	80.1	SSW	0.3					
4 „	.798	·000	76.6	74.0	2.6	72.9	.798	.89	77.6	80.0	S	0.2					
5 „	.816	28·980	76.0	74.8	1.2	74.3	.836	.95	76.0	79.8	„	0.3					
6 „	.844	·999	75.8	75·0	0.8	74.7	.845	.97	75.8	79.8	S b E	0.2					
7 „	.866	29.061	76.0	74.0	2.0	73.2	.805	.91	76.0	79.7	SE b E	0.4					
8 „	.884	.081	77.6	74.4	3.2	73.1	.803	.87	76.5	79.7	ESE	0.5					
9 „	.899	·061	80.0	76·0	4.0	74.4	.833	.84	79.1	79.8	„	0.1					
10 „	.896	.098	81.5	75.4	6.1	72.9	.798	.76	80·8	79.9	SE b S	0.1	None.	None.	None.	None.	None.
11 „	.881	.083	83.6	76.0	7.6	72.9	.798	.71	81.4	80.1	S b W	0.1					
Noon.	.858	.047	86.0	77.0	9.0	73.4	.811	.67	82.5	80.3	WSW	0.2					
1 p. m.	.833	·018	85.6	77.0	8.6	73.5	.815	.68	82.3	80.3	W b N	1.0					
2 „	.801	·024	84.8	75.8	9.0	72.0	.777	.67	82.3	80.4	„	1.0					
3 „	·780	·031	84.5	75.0	9.5	70.9	.749	.65	82.4	80.5	WNW	0.5					
4 „	·779	.026	84.2	75.0	9.2	71.1	.753	.66	82.0	80.5	W b N	0.5					
5 „	.774	.001	82.4	75.0	7.4	71.9	.773	.71	81.0	80.5	WNW	0.3					
6 „	.782	.005	79·6	74.6	5.0	72.0	.777	.80	80.0	80.5	W b N	0.2					
7 „	.795	.012	78·0	74.0	4.0	72.3	.783	.83	79.2	80.4	W.	0.0					
8 „	.825	.055	77.5	73.5	4.0	71.8	.770	.83	78.0	80.3	„	0.0					
9 „	·860	·122	77.0	72.5	4.5	70.5	.738	.81	77.8	80.3	„	0.2					
10 „	·870	.129	76.4	72.4	4.0	70.6	.741	.83	77.5	80.2	„	0.2					
11 „	.862	·131	76.0	72.0	4.0	70.2	.731	.83	77.0	79.9	„	0.2					
Mar. 11th-Midnight	.847	.131	75.8	71.5	4.3	69.5	.716	·82	76.9	79.7	W b N	0.3					
1 a. m.	.816	.143	75.5	70.2	5.3	67·6	.673	.78	76.6	79.6	„	0.2					
2 „	.805	.134	75.0	70.0	5.0	67.5	.671	.79	76.1	79.5	„	0.2					
3 „	.809	.107	75.4	71.0	4.4	68.9	.702	.81	76·1	79.4	WNW	0.4					
4 „	.816	.110	75.0	71·0	4.0	69.1	.706	.83	76.0	79.3	NW b W	0.5					
5 „	.830	.133	74.2	70.5	3.7	68.7	.697	.84	75.0	79.2	NW	0.5					
6 „	.836	.143	73.0	70.0	3.0	68.5	.693	.87	74.7	79.1	„	0.2					
7 „	.870	.178	74.7	70.5	4.2	68.5	.692	.82	75.2	79.0	„	0.1					
8 „	.899	.208	76.4	71·0	5.4	68.4	.691	.77	76.0	79·0	„	0.1					
9 „	.916	.239	77.6	71.0	6.6	67.8	.677	.73	77.0	79.2	„	0.1					
10 „	.919	.263	79.5	71.0	8.5	66.8	.656	.67	78·2	79.4	NW b N	0.2					
11 „	.902	.241	80.4	71.4	9.0	67.1	.661	.65	78.6	79.4	„	0.2	None.	None.	None.	None.	None.
Noon.	.876	.246	80.6	70.6	10.0	65.6	.630	.62	78.8	79.5	„	0.4					
1 p. m.	.846	.246	81.4	70.0	11.4	64.1	.600	.57	79.3	79.5	„	0.7					
2 „	.816	.213	81.7	70.2	11.5	64.3	.603	.57	79.3	79.5	„	0.8					
3 „	.795	.215	81.4	69.4	12.0	63.1	.580	.55	79.1	79.5	NW	0.7					
4 „	.800	.218	80.0	69.0	11.0	63.2	.582	.58	78.3	79.4	„	1.0					
5 „	.812	.217	78.8	69.0	9.8	63.9	.595	.62	77.0	79.3	NW b N	0.6					
6 „	.825	.227	75.8	67.0	8.8	64.0	.598	.71	76.3	79.3	„	0.5					
7 „	.840	.249	74.4	67.4	7.0	63.7	.591	.70	75.5	79.2	NNW	0.4					
8 „	.851	·269	74.0	67.0	7.0	63.2	.582	.70	75.0	79.0	„	0.5					
9 „	.874	.202	73.5	66.5	7.0	62.7	.572	·70	74.5	78.9	N W b N	0·2					
10 „	.874	.281	73.0	67.0	6.0	63.8	.593	.74	74.2	78.8	„	0.1					
11 „	.870	.309	73.0	66.0	7.0	62.1	.561	.70	74.0	78.7	„	0.1					
Mar. 12th-Midnight	.855	.272	72.5	66.5	6.0	63.2	.583	.74	73.9	78.6	NW b N	0.3					
1 a. m.	.830	.242	72.0	66.5	5.5	63.5	.588	·76	73·2	78.4	„	0.3					
2 „	.812	.233	72.2	66.3	5.9	63.0	.579	.74	73.4	78.3	„	0.1					
3 „	.809	.233	71.6	66.0	5.6	62.9	.576	.75	73.1	78·1	„	0.0					
4 „	.808	.225	71.0	66.0	5.0	63.2	.583	.78	72.4	78.0	„	0·0					
5 „	.825	.235	70.4	66.0	4.4	63.6	.590	.80	71.0	77.8	„	0.0					
6 „	.848	.258	70.4	66.0	4.4	63.6	.590	.80	71.0	77.6	N b W	0.1	None.	None.	None.	None.	None.
7 „	.868	.236	71.2	67.6	3.6	65·7	.632	.84	72·0	77.4	„	0.1					
8 „	.892	.269	73.8	68.2	5.6	65.3	.623	.76	73.2	77.4	NNE	0.2					
9 „	.910	.279	75.5	69.0	6.5	65.6	.631	.73	74.1	77.5	NE b E	0.1					
10 „	.916	.301	77.0	69.0	8.0	64.9	.615	·68	76.0	77.7	ENE	0.1					
11 „	.904	.311	79.0	69.0	10.0	63.8	·593	.61	77.0	77.9	NNW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	
2	C	≀≀ scattered in hor.; slight dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 82°9.
4	B	≀≀ scattered about moving ENE; slight dew falling.	
2	B	≀≀ scattered about hor.; dew falling.	
3	B	≀≀ scattered about moving NE; dew falling.	
4	B	≀≀ scattered about moving NNE; dew falling.	10th March was the 8th day on which wind blew abnormally.
6	G	≀≀ scattered about moving N.	
6	G	" "	
4	G	≀≀ scattered about moving N; mist in hor.	
2	G	≀≀ scattered about hor. moving N; mist in hor.	
2	C	" " "	
0	C	A few pieces of ≀≀ above N hor.; mist around hor.	
0	C	Cloudless.	
0	C	A few light ≀ scattered here and there.	
4	B	≀≀ scattered about moving E.	
4	B	" "	
2	B	≀≀ scattered about hor.	
2	B	" "	
2	G	" "	
0	G	A few clouds scattered here and there in hor.	
0	G	Cloudless.	
0	G	"	
2	C	≀≀ scattered about.	
3	C	" "	
3	C	" "	
4	C	≀≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 82°9.
3	B	≀≀ scattered about moving E.	
2	B	≀≀ scattered about hor. moving E.	
5	B	≀≀ scattered about moving ESE.	
5	B	≀≀ scattered about moving SE.	
5	G	≀≀ scattered about moving SSE.	
2	G	≀≀ scattered about moving SE; mist in hor.	
4	G	" " "	
6	G	≀≀ scattered about moving SE; mist in hor.	
6	C	≀≀ scattered about moving SE.	
4	C	" " "	
3	C	≀≀ scattered about, moving SE.	
3	C	" " "	
0	B	A few patches of ≀≀ in NE hor.	
0	B	Cloudless.	
0	B	"	
0	B	A few patches of ≀≀ in SE hor.	
0	G	A few patches of ≀≀ in SE hor.; mist in E.	
0	G	" " "	
0	G	Cloudless.	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 82°8.
0	B	"	
0	B	"	
0	B	A few patches of ≀≀ above SE hor.	
0	B	" " "	
1	G	≀≀ scattered above E hor.	
4	G	≀≀ scattered about moving SSE.	
4	G	≀≀ scattered about moving SSE; mist in hor.	
4	G	" " "	
3	C	≀≀ scattered about moving SSE.	
4	C	" " "	
4	C	" " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 12th-Noon.	29.883	29.307	80°5	69°0	11°5	62°9	0.576	0.57	78°0	78°0	NW b W	0.1					
1 p. m.	.845	.303	80.6	68.0	12.6	61.0	.542	.53	78.0	78.0	,,	0.6					
2 ,,	.829	.302	80.8	67.6	13.2	60.2	.527	.51	78.2	78.0	WNW	0.6					
3 ,,	.815	.266	80.0	68.0	12.0	61.4	.549	.55	78.0	78.1	NW b W	0.8					
4 ,,	.815	.258	79.3	68.0	11.3	61.9	.557	.57	77.3	78.1	,,	0.5					
5 ,,	.819	.274	77.4	67.0	10.4	61.2	.545	.59	76.0	78.2	NW	0.5	None.	None.	None.	None.	None.
6 ,,	.825	.273	74.4	66.2	8.2	61.6	.552	.66	75.0	78.1	NW b W	0.4					
7 ,,	.831	.270	73.0	66.0	7.0	62.1	.561	.70	73.8	78.0	,,	0.2					
8 ,,	.854	.293	73.0	66.0	7.0	62.1	.561	.70	73.8	77.8	,,	0.3					
9 ,,	.880	.297	72.5	66.5	6.0	63.2	.583	.74	73.4	77.7	,,	0.1					
10 ,,	.877	.305	72.0	66.0	6.0	62.7	.572	.74	73.2	77.6	,,	0.1					
11 ,,	.873	.328	71.5	65.0	6.5	61.1	.545	.72	73.0	77.5	NW	0.1					
Mar. 13th-Midnight	.860	.340	71.0	64.0	7.0	59.8	.520	.69	72.8	77.4	NW b W	0.2					
1 a. m.	.844	.282	70.6	65.2	5.4	62.1	.562	.76	72.0	77.3	,,	0.2					
2 ,,	.830	.298	70.6	64.2	6.4	60.5	.532	.72	71.8	77.2	NW	0.2					
3 ,,	.817	.283	69.7	64.0	5.7	60.6	.534	.75	71.2	77.0	,,	0.3					
4 ,,	.815	.295	69.4	63.4	6.0	59.8	.520	.73	70.5	76.8	,,	0.4					
5 ,,	.824	.312	69.0	63.0	6.0	59.3	.512	.73	70.0	76.6	,,	0.4					
6 ,,	.851	.313	68.8	63.8	5.0	60.8	.538	.77	70.0	76.5	,,	0.2					
7 ,,	.875	.335	70.0	64.3	5.7	60.9	.540	.75	70.7	76.4	NNW	0.1					
8 ,,	.906	.379	73.2	65.0	8.2	60.2	.527	.65	72.6	76.3	N	0.2					
9 ,,	.912	.436	75.0	64.0	11.0	57.2	.476	.56	74.0	76.4	N b W	0.1					
10 ,,	.910	.436	78.0	65.0	13.0	57.0	.474	.50	76.1	76.6	NNW	0.2					
11 ,,	.888	.399	79.5	66.0	13.5	58.0	.489	.50	77.1	76.9	NW	0.2					
Noon.	.860	.311	80.0	68.0	12.0	61.4	.549	.55	78.0	77.2	NW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.821	.248	80.8	69.0	11.8	62.7	.573	.56	78.0	77.3	NW	0.7					
2 ,,	.796	.216	81.7	69.5	12.2	63.1	.580	.55	78.2	77.3	,,	0.5					
3 ,,	.776	.203	81.1	69.1	12.0	62.7	.573	.55	78.2	77.3	,,	0.8					
4 ,,	.767	.220	80.2	68.0	12.2	61.3	.547	.54	78.2	77.4	,,	0.8					
5 ,,	.767	.218	80.0	68.0	12.0	61.4	.549	.55	78.0	77.5	,,	0.7					
6 ,,	.786	.210	77.5	68.0	9.5	62.9	.576	.63	77.1	77.6	,,	0.6					
7 ,,	.804	.225	75.8	67.5	8.3	63.0	.579	.66	76.0	77.6	,,	0.5					
8 ,,	.819	.254	75.5	67.0	8.5	62.3	.565	.65	75.8	77.6	,,	0.5					
9 ,,	.843	.261	75.5	67.5	8.0	63.2	.582	.67	75.6	77.5	NW b W	0.4					
10 ,,	.843	.265	75.6	67.4	8.2	63.0	.578	.67	75.6	77.5	NW b N	0.2					
11 ,,	.843	.314	73.0	65.0	8.0	60.3	.529	.66	74.2	77.4	NNW	0.1					
Mar. 14th-Midnight	.846	.285	73.0	66.0	7.0	62.1	.561	.70	73.7	77.2	NNW	0.1					
1 a. m.	.827	.292	71.0	64.5	6.5	60.6	.535	.71	72.3	77.2	,,	0.0					
2 ,,	.807	.258	71.7	65.5	6.2	61.4	.549	.73	72.6	77.1	,,	0.0					
3 ,,	.798	.218	71.3	66.0	5.3	63.1	.580	.76	72.3	77.0	N	0.2					
4 ,,	.797	.237	70.2	65.0	5.2	62.0	.560	.77	71.5	76.9	,,	0.1					
5 ,,	.811	.241	68.4	64.7	3.7	62.6	.570	.83	71.0	76.8	,,	0.3					
6 ,,	.830	.246	69.5	65.5	4.0	63.3	.584	.82	71.5	76.6	,,	0.5					
7 ,,	.853	.280	70.5	65.5	5.0	62.7	.573	.78	71.8	76.4	,,	0.3					
8 ,,	.868	.307	73.0	66.0	7.0	62.1	.561	.70	72.3	76.3	,,	0.4					
9 ,,	.876	.351	76.3	66.0	10.3	60.1	.525	.59	75.0	76.5	,,	0.4					
10 ,,	.870	.354	78.6	66.5	12.1	59.6	.516	.54	76.1	76.5	NNE	0.2					
11 ,,	.848	.314	81.4	68.0	13.4	60.6	.534	.51	78.0	76.9	NNW	0.6					
Noon.	.817	.230	82.5	70.0	12.5	63.4	.587	.55	79.0	77.2	NW b N	0.6	None.	None.	None.	None.	None.
1 p. m.	.790	.208	83.0	70.0	13.0	63.2	.582	.53	80.0	77.5	NNW	0.7					
2 ,,	.769	.158	83.5	71.0	12.5	64.7	.611	.55	80.3	77.7	,,	0.7					
3 ,,	.765	.143	83.2	71.2	12.0	65.2	.622	.56	80.5	77.9	,,	0.8					
4 ,,	.762	.213	83.0	69.0	14.0	61.4	.549	.50	80.5	78.1	,,	0.7					
5 ,,	.761	.180	81.6	69.5	12.1	63.1	.581	.55	79.5	78.0	N b W	1.0					
6 ,,	.772	.212	79.0	68.0	11.0	62.0	.560	.58	78.0	78.0	,,	1.0					
7 ,,	.789	.202	78.0	68.5	9.5	63.4	.587	.63	77.5	78.0	,,	1.0					
8 ,,	.793	.222	78.0	68.0	10.0	62.6	.571	.61	77.5	78.0	N	0.7					
9 ,,	.806	.264	77.6	67.0	10.6	61.0	.542	.59	77.0	78.0	,,	0.2					
10 ,,	.817	.302	75.8	65.5	10.3	59.5	.515	.59	76.1	77.9	N b E	0.0					
11 ,,	.818	.233	73.7	65.0	8.7	63.3	.585	.64	75.0	77.8	,,	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	Remarks.
1	C	≀≀ scattered about moving SSE.	
0	B	Cloudless.	
0	B	,,	
0	B	,,	
0	B	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°8. Temperature of Evaporation at 5 A.M. was 63°0 lowest during the Month, and about 8°1 lower than the Normal Mean; Temperature of Dew-point at 10 A.M. was 57°0 lowest in the Month, and about 13°1 lower than the Normal Mean.
0	B	,,	
1	B	≀≀ scattered around hor.	
2	B	,, ,,	
3	B	≀≀ scattered about hor. moving SE.	
2	G	,, ,, ,,	
1	C	≀≀ scattered here and there, moving SE; mist in hor.	
4	G	≀≀ scattered about, moving SSE; mist in hor.	
2	G	≀≀ scattered about, moving SE; mist in hor.	
0	C	A few ≀ above N hor.	
0	C	,, ,,	
0	C	,, ,,	
0	C	Cloudless.	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°0. The Temperature of External Air at 5 A.M. was 68°4 lowest in the Month, and about 13°2 lower than the Normal Mean, for the hour. 14th March was the 21st cloudless day.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	G	,,	
0	G	Mist around hor.	
0	G	,, ,,	
0	G	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawa of Volta 1.	Readings of Strawa of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 16th-Midnight	29.862	29.231	75°5	69°0	6°5	65°6	0.631	0.73	76°3	78°3	NW	0.4					
1 a. m.	.833	.162	75.0	70.0	5.0	67.5	.671	.79	76.0	78.1	NW b N	0.4					
2 „	.818	.169	74.6	69.2	5.4	66.5	.649	.77	75.6	78.0	„	0.6					
3 „	.813	.148	74.0	69.5	4.5	67.2	.665	.81	75.0	77.9	NNW	0.1					
4 „	.827	.223	72.0	67.0	5.0	64.3	.604	.78	73.9	77.8	N b W	0.1					
5 „	.858	.197	72.8	69.0	3.8	67.1	.661	.83	72.8	77.6	N	0.1					
6 „	.875	.214	72.8	69·0	3.8	67.1	661	.83	73.0	77.6	N b E	0.1					
7 „	.891	·249	73.0	68.5	4.5	66.2	·642	.80	73.1	77.5	„	0.1					
8 „	.909	.287	76.4	69.0	7.4	65.2	·622	.70	74.0	77.4	N b W	0.2					
9 „	.926	.299	79.0	70.0	9.0	65.4	·627	.65	75.3	77.5	NW b N	0.2					
10 „	.922	·351	81.0	69.0	12.0	62.6	·571	.55	78·0	77.9	„	0.2					
11 „	.900	·311	82.4	70.0	12.4	63.5	·589	·54	79.2	78.0	NW b W	0.3	None.	None.	None.	None.	None.
Noon.	.878	.272	84.0	71.0	13.0	64.4	.606	.53	80.0	78.2	WNW.	0.6					
1 p. m.	.851	.258	85.2	71.0	14.2	63.8	·593	.50	81.0	78.3	NW	0.8					
2 „	.829	.201	86.0	72.2	13 8	65.5	·628	.52	82.0	78.4	NW b N	1.0					
3 „	.813	.218	85.0	71.0	14.0	63.9	·595	.51	82.0	78.6	„	1.0					
4 „	.811	·243	84.3	70.0	14.3	62.5	·568	.50	81.6	78.8	„	1.0					
5 „	.799	·161	82.8	71.5	11.3	66.0	·638	.53	81.0	78.9	NNW	0.8					
6 „	.804	·212	80.6	69.5	11.1	63.7	·592	.53	80.1	79.0	„	1.0					
7 „	.812	·232	80.2	69.0	11.2	63.1	·580	.53	80.0	79.0	„	0.8					
8 „	.835	·253	80.0	69.0	11.0	63.2	·582	.58	79.8	78.9	„	0.6					
9 „	.864	·282	80.0	69.0	11.0	63.2	·582	.58	79.5	78 8	N b E	0.2					
10 „	.874	·247	79.0	70.0	9.0	65.4	·627	.65	79.2	78.8	N b W	0.3					
11 „	.871	.176	78.0	71·6	6.4	68.6	·695	.74	78.3	78.7	NNW	0.5					
Mar. 17th-Midnight	.852	.127	76.5	72.0	4.5	69.9	·725	.81	77.2	78.5	NNW	0.5					
1 a. m.	.829	.127	76.0	71.5	4.5	68.9	.702	.81	76.9	78.5	„	0.6					
2 „	.825	.126	75.6	71.0	4.6	68.8	·699	.81	76.5	78.5	N b W	0.1					
3 „	.816	.117	75.0	70.8	4.2	68·8	·699	.82	76.0	78.5	„	0·1					
4 „	.824	.176	74.0	69.0	5.0	66.5	·648	.78	75.5	78.4	N	0.0					
5 „	.829	.190	74.8	69.0	5.8	66 0	·639	.75	73.0	78.4	„	0.2					
6 „	.833	.173	74.8	69·6	5.2	67.0	.660	.78	73.0	78.3	N b W	0.1					
7 „	.858	.187	75.0	70.0	5.0	67.5	.671	.79	73.2	78.2	„	0·2					
8 „	.884	.226	77.8	70.5	7.3	66.9	·658	.71	75.4	78.1	N	0.1					
9 „	.898	.290	80.7	70.0	10.7	64.5	·608	.60	78.5	78.3	N b E	0.1					
10 „	.897	.232	82.0	72.0	10.0	67.2	.665	.62	79.4	78.5	N	0.1					
11 „	.888	.229	83.2	72.2	11.0	67.0	.659	.59	80.5	78.7	N b W	0.1	None.	None.	None.	None.	None.
Noon.	.857	.290	83.4	72.2	11.2	66.9	.657	.59	80.7	78.9	NW	0.2					
1 p. m.	.826	.168	85.9	73.0	12.9	66.9	.658	.55	81.5	79.0	W b N	0.2					
2 „	.794	.078	84.2	74.0	10.2	69.5	.716	·63	81.3	79.0	„	0.6					
3 „	.770	.064	85.0	74.0	11.0	69.1	·706	.60	81.9	79.1	„	0.7					
4 „	.764	.049	84.3	74.0	10.3	69 5	·715	.62	81.7	79.3	WNW	0.5					
5 „	.759	.012	83·0	74.5	8.5	70.8	·747	·69	81.0	79.4	„	0 5					
6 „	.770	.011	80.2	74 0	6.2	71.3	·759	.75	80.1	79.4	„	0.4					
7 „	.780	.012	79.4	74.0	5.4	71.7	·768	.78	79.0	79.4	„	0.2					
8 „	.798	.041	78.7	73 5	5.2	71.2	.757	.79	78.2	79.4	„	0.1					
9 „	.824	.041	78.0	74.0	4.0	72.3	·783	.83	78.1	79.3	„	0.2					
10 „	.826	.055	77·0	73.4	3.6	71.8	·771	.85	78.0	79.3	„	0.1					
11 „	.823	.055	76.0	73.0	3.0	71.7	·768	.87	77.5	79.2	„	0.0					
Mar. 18th-Midnight	.813	.034	75.0	73.0	2.0	72.1	.779	.91	76·7	79.1	WNW	0.0					
1 a. m.	.795	.016	75.0	73.0	2·0	72·1	.779	.91	76.7	79.0	„	0.0					
2 „	.785	.019	74.5	72·5	2.0	71.6	·766	.91	76.3	79.0	„	0.0					
3 „	.783	28.999	74.5	73·0	1.5	72.3	.784	.93	76.1	79.0	„	0·0					
4 „	.780	29·027	74.0	72.0	2.0	71.1	.753	.91	75.5	78.8	„	0.0	None.	None.	None.	None.	None.
5 „	.790	.035	73.8	72.0	1.8	71.2	·755	.92	75.0	78·7	„	0.0					
6 „	.804	.044	73.4	72.0	1.4	71.4	·760	.94	74.2	78.6	„	0·2					
7 „	.828	.034	75.3	73.5	1.8	72·8	·794	.92	75 4	78.4	NW b W	0.2					
8 „	.847	·064	78.0	74.0	4.0	72.3	.783	.83	76.8	78.4	ENE	0.2					
9 „	.862	.073	79.2	74.5	4.7	72.6	·789	.81	78.3	78.5	„	0.1					
10 „	.863	.102	80.0	74.0	6.0	71.4	.761	.76	79.1	78.7	„	0.1					
11 „	.862	.145	81.7	73.3	8.4	69.6	.717	.68	79.6	78.9	NNW	0.2					

Amount of Clouds, 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°9. 16th March was the 1st day on which lightning was seen at sunset.
0	B	"	
0	B	"	
0	B	"	
1	B	≀ scattered along E hor.	
2	G	≀ scattered about hor.	
5	G	≀ scattered about, moving SSE; mist around hor.	
5	G	≀ scattered about, moving SE; mist around hor.	
6	G	" "	
2	C	≀ scattered about, moving SE.	
4	C	" "	
4	G	" "	
4	G	" "	
1	B	≀ scattered around hor.	
1	B	≀ scattered about hor.; light mist along E hor.	
0	B	A few patches of ≀ above W and NW hor.; mist along E hor.	
0	B	" " "	
0	G	" " "	
0	G	≀ along E hor.; ≀ above W and NW hor.	
0	G	Clouded as before; lightning in NE hor. at intervals of 1m. 11s.	
0	G	A few clouds in NE; lightning in NE hor. at interval of 26s.	
0	C	A few clouds in NE; lightning in NE hor. at intervals of 1m. 27s.	
0	C	A few clouds in NE hor.; lightning in NE hor. at intervals of 0·50s.	
0	C	A few clouds in NE hor.; lightning in NE hor. at intervals of 1m. 3s.	
0	C	A few clouds above E and S hor.; lightning in E at intervals of 1m. 42s.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°9. 17th March was the 1st day on which the fall of rain was less than 0·01 inch; this was the 2nd day on which lightning was seen after sunset.
3	B	≀ like clouds scattered about hor.; lightning in E hor. in about 1½m.	
3	B	Clouded as before; lightning in E hor. at intervals of 50s.	
4	B	≀ scattered about; lightning in NE and SE hor. at intervals of 1m.	
4	B	≀ scattered about, moving ESE; lightning in NE and SE hor. at intervals of 8; drops of rain fell between 4h. 18m, and 4h. 20m.	
5	G	≀ scattered about, moving SE; lightning in NE hor. at interval of 1½m.; a few drops of rain at the time of observation.	
6	G	≀ scattered about moving SE.	
6	G	Clouded as before; mist along E hor.	
5	G	" " "	
4	C	≀ above SE hor.; ≀ in W hor.; ≀ scattered about moving SE.	
4	C	" " " "	
3	C	≀ and ≀ scattered about, the former moving SE.	
6	C	" " "	
3	B	≀ scattered about moving NE.	
3	B	≀ along E hor.; ≀ scattered about moving NNE.	
2	B	≀ along E hor.; ≀ scattered about hor.	
1	B	" " "	
2	G	" " "	
2	G	≀ along E hor.; ≀ and ≀ scattered about.	
2	G	Clouded as before; lightning in N and NE hor. at intervals of 1m. 24s.	
1	G	≀ along E hor. ≀ and ≀ scattered here & there; lightning in N & E hor. at intervals of 1m.	
0	C	A few clouds in NE hor.; lightning in NE hor. at intervals of 1½m.	
0	C	Cloudless.	
0	C	Cloudless; dew falling.	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 82°9. 18th March was the 3rd day on which lightning was seen after sunset.
0	B	" "	
0	B	"	
0	B	A few clouds in SE. hor.; dew falling.	
0	B	" " "	
0	G	A few clouds in E hor.; dew falling.	
1	G	≀ and ≀ scattered along E hor.; mist in hor.	
1	G	" " "	
0	G	A few clouds in NW above hor.; mist around hor.	
0	C	A few ≀ around hor.	
0	C	Cloudless.	
0	C	"	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 18th-Noon.	29.844	29.050	84°0	76°0	8°0	72°8	0.794	0.70	81°3	79°1	W	0.2					
1 p. m.	.809	.125	84.6	73.3	11.3	68.1	.684	.59	81.5	79.2	WNW	0.4					
2 „	.783	.084	85.6	74.0	11.6	68.8	.699	.59	82 2	79.3	„	0.3					
3 „	.769	.088	85.6	73.5	12.1	68.0	.681	.57	82.5	79.4	„	0.4					
4 „	.765	.059	85.0	74.0	11.0	69.1	.706	.60	82.1	79.5	„	0.5					
5 „	.763	.004	83.6	75.0	8.6	71.3	.759	.68	82.0	79.7	NW b W	0.4	None.	None.	None.	None.	None.
6 „	.771	.005	80.2	74.2	6.0	71.6	.766	.76	80.0	79.8	„	0.3					
7 „	.778	.010	79.4	74.0	5.4	71.7	.768	.77	79.3	79.8	„	0.5					
8 „	.796	.007	79.2	74.5	4.7	72.6	.789	.81	79.0	79.7	„	0.6					
9 „	.834	.046	77.5	74.0	3.5	72.5	.788	.85	77.7	79.6	„	0.1					
10 „	.837	.043	77.0	74.0	3.0	72.8	.794	.87	77.5	79.5	NW	0.1					
11 „	.835	.051	76.2	73.5	2.7	72.3	.784	.98	77.2	79.3	NW b W	0.0					
Mar.19th-Midnight	.827	.050	75.2	73.0	2.2	72.0	.777	.90	76.7	79.2	NW b W	0.0					
1 a. m.	.818	.060	74.2	72.2	2.0	71.3	.758	.91	75.9	79.1	NW	0.0					
2 „	.808	.055	74.0	72.0	2.0	71.1	.753	.91	75.4	79 1	„	0·0					
3 „	.804	.049	73.8	72.0	1.8	71.2	.755	.92	75.0	79.0	N	0.2					
4 „	.808	.050	73 5	72.0	1.5	71.3	.758	.93	74.5	78.8	„	0.0					
5 „	.820	.092	73.0	71.0	2.0	70.0	.728	.91	74.5	78.6	„	0.1					
6 „	.849	.139	72.8	70.4	2.4	69.3	.710	.86	74.3	78.4	NE b E	0.1					
7 „	.865	.216	73.9	69.0	4.9	66.5	.649	.80	74.4	78.3	ENE	0.2					
8 „	.886	.236	76.9	70.0	6·9	66.6	.650	.72	76.0	78.4	„	0.2					
9 „	.901	.205	79.2	72.0	7.2	68.6	.696	.71	78.0	78.5	„	0.1					
10 „	.897	.254	84.0	72.0	12.0	66.2	.643	.57	81.0	78.8	NE	0.2					
11 „	.895	.300	85.0	71.0	14.0	63.9	.595	.51	81.4	79.0	NW b N	0.2	None.	None.	None.	None.	None.
Noon.	.870	.261	87.0	72.0	15.0	64.6	.609	.49	82.8	79.2	NNW	0.3					
1 p. m.	.832	.234	88.0	72.0	16.0	64.0	.598	.47	83.2	79.4	NW b N	0.6					
2 „	.812	.174	87.7	73.0	14.7	66.0	.638	.50	83.5	79.5	NW b W	0.8					
3 „	.790	.135	87.2	73.3	13.9	66.8	.655	.52	83.0	79.7	NW	1.0					
4 „	.788	.048	86.1	75.2	10.9	70.5	.740	.61	83·0	79.8	„	0.8					
5 „	.793	.032	84.2	75.2	9.0	71.4	.761	.67	82.3	79.9	NW b N	0.5					
6 „	.799	.046	80.7	74.0	6.7	71.1	.753	.74	81.6	80.1	„	0.7					
7 „	.800	.068	79.3	73.0	6.3	70.2	.732	.75	79.5	79.9	„	0.8					
8 „	.829	.090	78.6	73.0	5.6	70.5	.739	.77	79.0	79.8	NNW	0.6					
9 „	.852	.118	77.4	72.5	4.9	70.3	.734	.80	78.1	79.7	N b W	0.3					
10 „	.854	.134	77·0	72.0	5.0	69.7	.720	.79	78.0	79.7	N	0.2					
11 „	.854	.123	76.0	72.0	4.0	70.2	.731	.83	77.2	79.6	„	0.1					
Mar.20th-Midnight	.847	.147	75.5	71.0	4·5	68.8	.700	.81	76.8	79.5	N	0.1					
1 a. m	.827	.167	74.5	69.5	5.0	67.4	.660	.79	75.6	79.4	„	0.1					
2 „	.811	.155	74.3	69.3	5.0	66.8	.656	.78	75.4	79.2	„	0.0					
3 „	.810	.173	75.0	69.0	6·0	65.9	.637	.75	75.6	79.1	N b E	0.0					
4 „	.820	.180	74.7	69.0	5.7	66.1	.640	.76	75.6	79.1	NNE	0·0					
5 „	.834	.217	73 8	68.0	5.8	65.0	.617	.75	75.0	78.9	N b E	0.2					
6 „	.856	.229	75.3	68·8	6.5	65·4	.627	.73	76.0	78.8	NNW	0.1					
7 „	.877	.214	77.6	70.6	7.0	67.2	.663	.72	77.0	78.7	„	0.2					
8 „	.895	.233	79.0	71·0	8.0	67·1	.662	.68	77.5	78.7	N	0.1					
9 „	.903	.287	80.0	70.0	10.0	64.9	.616	.62	77.8	78.9	NE b E	0.1					
10 „	.905	.283	82.5	71.0	11.5	65.2	.622	.58	79.3	79.1	E b N	0.1	None.	None.	None.	None.	None.
11 „	.896	.254	85.4	72.4	13 0	66.2	.642	.54	81.2	79.3	N b W	0.1					
Noon.	.869	.198	86.5	73.5	13.0	67.5	.671	.55	82.4	79.5	NNW	0.1					
1 p. m.	.836	.173	87.2	73.5	13.7	67.2	.663	.53	83.2	79.7	NW	0.6					
2 „	.819	.137	86.3	73.8	12.5	68.0	.682	.56	83.0	79.7	NW b N	1.0					
3 „	.798	.096	85.4	74.0	11.4	68.9	.702	.59	82.9	79.7	NW	1.0					
4 „	.785	.070	84.3	74.0	10.3	69.5	.715	.62	82.2	79.8	„	1.3					
5 „	.795	.033	83.4	75.0	8.4	71.4	.762	.68	81.5	80.0	NW b N	0.8					
6 „	.795	.031	79.7	74.0	5.7	71·5	.764	.77	80.7	80.0	„	0.6					
7 „	.816	.037	78.4	74.0	4.4	72.1	.779	.82	79.5	79.9	NNW	0.5					
8 „	.838	.071	77.8	73.5	4.3	71.6	.767	.82	79.1	79.9	„	0.2					
9 „	.874	.112	76.5	73.0	3.5	71.4	.762	.85	78.2	79.8	„	0.1					
10 „	.874	.093	76.5	73 5	3.0	72.2	.781	.87	77.7	79.6	„	0.0					
11 „	.872	.130	75 0	72.0	3.0	70.6	.742	.87	76.8	79.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒ cirri; ⌒⌒ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ⌒⌒ nimbi.	
0	C	A few ⌒ in E hor.	
1	B	⌒ along E hor.	
1	B	" "	
1	B	" "	
1	B	" "	
1	G	" "	
1	G	" "	
1	G	⌒ along E hor.; lightning in SE hor. at intervals of 1m. 38s.	
1	G	Clouded as before; lightning in SE and E hor. at intervals of 56s.	
1	C	Clouded as before; lightning in E hor. at intervals of 1m. 54s.; dew falling.	
1	C	Clouded as before; lightning in E hor. at intervals of 4m. 50s.; dew falling.	
0	C	A few clouds in E hor.; dew falling.	
0	C	A few clouds in E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°0.
2	B	⌒⌒ scattered about hor.; dew falling.	
2	B	" " "	
2	G	" " "	19th March was the 4th day on which lightning was seen after sunset.
3	G	⌒⌒ around hor. and ⌒ scattered here and there; dew falling.	
3	C	" " " "	
4	C	⌒⌒ scattered about moving SW.	
3	B	⌒⌒ scattered about moving N; mist in hor.	
3	B	" " "	
4	G	⌒⌒ scattered about, moving NNE; mist and fog in hor.	
4	G	" " " "	
2	C	⌒⌒ scattered about moving NNE.	
1	C	⌒⌒ scattered in N and E hor.	
0	B	A few ⌒ along E hor.	
1	B	⌒ scattered along E hor.	
1	G	" "	
1	G	" "	
1	C	" "	
1	C	" "	
1	B	⌒ along E. hor.; lightning in E hor.	
0	B	A few clouds along E hor.; lightning in E hor.	
1	G	⌒ along E hor.; lightning in NE and E hor.	
1	G	" " "	
0	C	A few clouds in E hor.; lightning in NE hor.; dew falling.	
1	C	⌒⌒ and ⌒ scattered along E hor.; lightning in NE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°0.
1	B	⌒⌒ scattered along E hor.; dew falling.	
1	B	" " "	
3	B	⌒⌒ scattered about hor.	20th March was the 5th day on which lightning was seen after sunset.
3	B	" "	
3	G	" "	
4	G	⌒ and ⌒⌒ scattered about, the latter moving SE; mist around hor.	
4	G	Clouded as before; mist and fog in hor.	
1	G	⌒; and ⌒⌒ scattered about N and NW hor.; mist and fog in hor.	
1	C	⌒ and ⌒⌒ scattered about hor.	
0	C	A few ⌒; and ⌒⌒ above N and NW hor.	
1	C	" " "	
1	C	⌒⌒ scattered around hor.	
1	B	⌒ scattered along E hor.	
1	B	" "	
1	B	" "	
2	B	⌒ along E hor.; and ⌒⌒ scattered along W hor.	
2	G	⌒ along E hor.; ⌒⌒ along the W hor.; and ⌒ scattered around hor.	
4	G	⌒ along E hor.; ⌒ scattered here and there.	
4	G	⌒ scattered about; continuous lightning in E hor.	
4	C	⌒ scattered about; continuous lightning in E and SE hor.	
2	C	⌒ scattered about; continuous lightning in NE hor.	
2	C	" " "	
2	C	⌒ scattered about; continuous lightning in NE hor.; dew falling.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering of same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 21st-Midnight	29.873	29.102	75°7	73°0	2°7	71°8	0.771	0.88	76°8	79°4	NNW	0.0					
1 a. m.	.853	.089	76.4	73.0	3.4	71.5	.764	.85	77.4	79.4	SW b S	0.0					
2 „	.839	.071	76.0	73.0	3.0	71·7	.768	.87	77.0	79.4	„	0.0					
3 „	.833	.122	74.5	71.0	3.5	69.3	.711	.85	76.0	79.3	„	0.0					
4 „	.837	.132	73.5	70.5	3.0	69.0	.705	.87	75.2	79.1	„	0.0					
5 „	.852	.130	73.5	71.0	2.5	69.8	.722	.89	75.0	79.0	„	0.0					
6 „	.886	.151	74.0	71.5	2.5	70.3	.735	.89	74.4	78.9	„	0.1					
7 „	.907	.097	76.6	74.3	2.3	73.3	.810	.90	76.5	78.8	„	0.1					
8 „	.936	.153	78.0	74.0	4.0	72.3	.783	.83	77.0	78.6	ESE	0.2					
9 „	.948	.184	80.4	74.2	6.2	71.5	.764	.75	78.8	78.8	„	0.1	None.	None.	None.	None.	None.
10 „	.948	.171	82.0	75.0	7.0	72.0	.777	.73	80.3	79.1	„	0.1					
11 „	.934	.154	83.5	75.5	8.0	72.2	.780	.70	81.2	79.3	S	0.2					
Noon.	.903	.120	85.0	76.0	9.0	72.3	.783	.67	82.0	79.5	W b N	0.1					
1 p. m.	.870	.124	86.6	75.5	11.1	70.8	.746	.61	83.0	79.7	W b S	0.4					
2 „	.834	.128	87.8	74.8	13.0	69.1	.706	.55	84.0	79.9	„	0.3					
3 „	.814	.139	87.8	74.0	13.8	67.7	.675	.53	84.0	80.0	„	0.4					
4 „	.802	.104	87.5	74.5	13.0	68.7	.698	.55	84.0	80.2	„	0.4					
5 „	.818	.101	85.4	74.4	11.0	69.6	.717	.60	83.0	80.3	WNW	0.2					
6 „	.826	.083	81.6	74.0	7.6	70.7	.743	.71	81.6	80.4	„	0.2					
7 „	.840	.074	79.5	74.0	5.5	71·6	.766	.78	80.2	80.4	„	0.2					
8 „	.868	.096	79.0	74.0	5.0	71.8	.772	.80	79.7	80.3	„	0.3					
9 „	.899	.111	78.2	74.2	4.0	72.5	.788	.83	79.2	80.2	„	0.0					
10 „	.899	.203	77.5	74.2	3.3	72.8	.796	.85	78.4	80.1	„	0.0					
11 „	.899	.105	77.0	74.0	3.3	72.8	.794	.87	78.0	79.9	„	0.0					
Mar. 23rd-Midnight	.864	.107	77.0	73.0	4.0	71.2	.757	.83	77.6	79.8	NW b N	0.2					
1 a. m.	.845	.054	77.3	74.0	3.3	72.6	.791	.87	77.4	79.6	„	0.4					
2 „	.841	.109	76.6	72·2	4.4	70·2	.732	.81	77.0	79.5	„	0.5					
3 „	.833	.152	75.4	70.4	5.0	68.0	.681	.79	76.6	79.4	NNW	0.3					
4 „	.837	.156	75.4	70.4	5.0	68.0	.681	.79	76.3	79.3	„	0.0					
5 „	.856	.141	74.2	71.0	3.2	69.5	.715	.86	76.0	79.2	„	0.0					
6 „	.885	.139	74.0	71.8	2.2	70.8	.746	.90	75.1	79.0	„	0.1					
7 „	.899	.155	74.8	72.0	2.8	70.7	.744	.88	75.4	79.0	„	0.2					
8 „	.909	.189	77.0	72.0	5.0	69.7	.720	.79	76.8	79.0	„	0.4					
9 „	.938	.257	80.0	72.0	8.0	68.2	.687	.69	78.9	79.2	NE b E	0.1					
10 „	.935	.280	81.6	71.6	10.0	66.8	.655	.62	80.0	79.4	ENE	0.1					
11 „	.918	.270	84.2	72.2	12.0	66.5	.648	.57	81.0	79.5	N b W	0.1	None.			None.	
Noon.	.895	.186	84.8	74.0	10.8	69.2	.709	.61	81.6	79.7	NW	0.1					
1 p. m.	.869	.127	85.2	75.0	10.2	70.6	.742	.63	82.0	79.9	NW b W	0.6					
2 „	.843	.088	85·8	75.5	10.3	71.2	.755	.63	82.3	79.9	„	0.5					
3 „	.819	.045	85.8	76.0	9.8	71.9	.774	.65	82.7	79.9	„	0.6					
4 „	.801	.128	84.5	73.0	11.5	67.6	.673	.59	82.3	80.1	NW	0.6					
5 „	.802	.025	83.1	75.3	7.8	72.0	.777	.69	81.0	80.2	NW b N	0.3					
6 „	.808	.026	80.5	74.7	5.8	72.2	.782	.76	81.0	80.2	NNW	0.2					
7 „	.831	.063	79.0	73.9	5.1	71.7	.768	.79	79.3	80.1	N b W	0.1					
8 „	.856	.078	78.5	74.0	4.5	72.1	.778	.82	79.0	80.0	N	0.1					
9 „	.892	.112	78.3	74.0	4.3	72.2	.780	.82	78.7	79.8	„	0.2		+	2		1.15
10 „	.891	.138	77.4	73.0	4.4	71.1	.753	.82	78.2	79.8	N b E	0.1		+	1		1.30
11 „	.891	.221	76.4	70.4	6.0	67.5	.670	.75	77.5	79.7	„	0.0					
Mar. 24th-Midnight	.891	.208	75.5	70.5	5.0	68.1	.683	.79	77.2	79.7	N b E	0.1					
1 a. m.	.877	.150	78.0	72.5	5.5	70.0	.727	.77	77.8	79.7	N b W	0.4					
2 „	.864	.180	77.0	71.0	6.0	68.1	.684	.75	77.2	79.6	N	0.1					
3 „	.847	.172	75.3	70.2	5.1	67.7	.675	.78	76.3	79.6	„	0.0					
4 „	.851	.206	74.3	69.0	5.3	66.3	.645	.77	75.9	79.5	N b E	0.0	None.			None.	
5 „	.875	.146	74.5	71.5	3.0	70.1	.729	.87	75.5	79.4	„	0.0		+ +	8		0.26
6 „	.888	.120	75.3	72.8	2.5	71.7	.768	.89	76.0	79.2	„	0.0		+ + +	2		1.30
7 „	.924	.139	77.2	73.8	3.4	72.4	.785	.86	77.0	79.2	„	0.0		+	2		1.30
8 „	.948	.183	80.0	74.1	5.9	71.6	.765	.76	77.5	79.2	NNE	0.0					
9 „	.965	.215	82.4	74.4	8.0	71.0	.750	.69	78.4	79.4	ENE	0.1					
10 „	.964	.198	83.0	75.0	8.0	71.0	.766	.70	79.4	79.6	N b E	0.2					
11 „	.961	.167	84.0	76.0	8.0	72.8	.794	.70	80.0	79.8	NNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
0	C	≀ and ≀≀ scattered about N and E hor.; lightning in NE at intervals of 1m. 28s.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°0.
1	B	≀≀ scattered from NE to S hor.; lightning in NE hor. at intervals of 2m.; dew falling.	
1	B	≀≀ scattered about hor.; dew falling.	
1	B	" " "	
1	B	" " "	21st March was the 6th day on which lightning was seen after sunset. This was the 9th day on which wind blew abnormally.
1	G	≀ and ≀≀ scattered about hor.	
4	G	≀≀ scattered about moving N; mist around hor.	
5	G	" " "	
5	G	" " "	
3	C	≀≀ scattered about, moving N.	
2	C	≀≀ around hor.; ≀ scattered about.	
2	C	" "	
2	C	≀≀ scattered about hor.	
2	B	∩ scattered along E hor.	
2	B	" "	
2	B	" "	
2	B	" "	
2	C	" "	
2	C	" "	
2	C	∩ scattered along E hor.; lightning in NE at intervals of 1m. 5s.	
2	C	∩ scattered along E hor.; lightning in NE every minute.	
3	C	∩ along E hor.; ≀≀ scattered about; lightning the NE hor. at intervals of 1m.	
4	C	Clouded as before; lightning in NE hor.; at intervals of 1m. 50s,; dew falling.	
4	C	≀≀ scattered about, moving E; dew falling.	
2	C	≀≀ scattered about N and E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°0.
1	B	≀≀ scattered along E hor.; dew falling.	
1	B	" " "	
1	B	≀≀ scattered along E hor.; dew falling.	
0	B	A few clouds along E hor.; dew falling.	
1	G	≀≀ scattered along E hor.; dew falling.	
1	G	≀≀ scattered along E hor.; ≀ scattered here and there.	
1	G	" " " "	
0	G	A few clouds in E hor.; mist in hor.	
0	C	A few clouds along E hor.	
0	C	" " "	
1	C	∩ scattered along E hor.	
1	C	" "	
1	B	" "	
1	B	" "	
1	B	" "	
1	B	" "	
1	B	" "	
1	G	∩ scattered along E hor.; hazy appearance about the Ghauts.	
1	G	∩ scattered along E hor.; mist around hor.	
0	G	A few clouds along E hor.	
0	G	" " "	
0	C	" " "	
0	C	" " "	
0	C	A few clouds around hor.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°4 and 83°1. The corrected reading of Barometer at 9 A.M. was 29·965 in. greatest in the Month, and about 0·073 in. greater than the Normal Mean.
2	B	≀≀ scattered about hor.	
3	B	" "	
3	B	" "	
2	B	" "	
4	G	⌣ along E hor.; ≀≀ scattered about.	
7	G	≀≀ scattered about moving N; mist and fog in hor.	
6	G	⌣ around hor.; ≀≀ scattered about moving N; mist and fog in hor.	
5	G	≀≀ like clouds scattered about moving NNE; mist and fog in hor.	
5	C	" " " " "	24th March was the 7th day on which lightning was seen after sunset.
3	C	∩ in N hor.; ≀ and ≀≀ scattered about the latter moving NNE.	
1	C	∩ in N and E hor.; ≀≀ above W hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 24th–Noon.	29.942	29.159	85°0	76°0	9°0	72°3	0.783	0.67	81°0	80°0	N b W	0.3					
1 p. m.	.919	.186	86.0	75.0	11.0	70.2	.733	.61	81.2	80.1	NW b N	0.6					
2 „	.887	.194	86.2	74.0	12.2	68.5	.693	.57	81.2	80.2	„	0.7					
3 „	.858	.162	86.6	74.2	12.4	68.6	.696	.56	81.6	80.2	NW	0.5					
4 „	.836	.109	86.5	75.0	11.5	70.0	.727	.59	82.0	80.4	NW b N	0.4					
5 „	.831	.136	86.0	74.0	12.0	68.6	.695	.57	82.0	80.5	NW	0.3					
6 „	.844	.101	83.4	74.5	8.9	70.7	.743	.67	81.5	80.5	„	0.5	None.	+	2	None.	0.57
7 „	.865	.209	82.8	72.0	10.8	66.8	.656	.60	80.1	80.5	NNW	0.6		+	6		1.09
8 „	.888	.223	82.0	72.0	10.0	67.2	.665	.62	80.0	80.4	„	0.6		+	4		1.21
9 „	.913	.170	81.6	74.0	7.6	70.7	.743	.71	80.0	80.4	„	0 3		+	4		1.24
10 „	.914	.164	81.0	74.0	7.0	71.6	.750	.73	79.8	80.4	„	0.3		+	3		2·10
11 „	.914	.145	81.0	74.5	6.5	71.7	.769	.74	79.8	80.4	„	0.6		+	1		2.18
Mar. 25th–Midnight	.905	.144	80.0	74.0	6.0	71.4	.768	.76	79.7	80.3	NNW	0.7		+	1		Above 10m.
1 a. m.	.884	.158	79.8	73.0	6.8	69.9	.726	.73	79.0	80.3	„	0.4					
2 „	.873	.235	78.0	70·0	8.0	66.0	.638	.68	78.0	80.3	N b W	0.2					
3 „	.866	.245	78.0	69.5	8.5	65.2	.621	.66	77.7	80.1	„	0.3					
4 „	.868	.199	78.4	71.0	7.4	67.4	.669	.70	77.7	80·0	„	0.0					
5 „	.883	.105	77.8	73.8	4.0	72.1	.778	.83	74.5	80.0	N	0.0					
6 „	.901	.103	78.4	74.5	3.9	72.9	.798	.84	75.0	79.9	N b W	0.1					
7 „	.914	.148	79·5	74.0	5.5	71.6	.766	.78	77.1	79.9	„	0.2		+	6	5	1.27
8 „	.939	.189	81.0	74.0	7·0	71.0	.750	.73	79.5	79.9	„	0.1		+	2		Above 10m.
9 „	.953	.213	84.0	74.6	9.4	70.5	.740	.65	81.2	80.1	„	0.1					
10 „	.952	.198	85.5	75.4	10.1	71.1	.754	.64	82.1	80.3	„	0.3					
11 „	.948	.190	85.5	75.5	10.0	71.3	.758	.64	82.5	80.4	NNW	0.6					
Noon.	.922	.167	86.8	75.8	11.0	71.2	.755	.61	83.3	80.6	NW b N	0.8	None.				
1 p. m.	.885	.146	87.2	75.5	11.7	70.5	.739	.59	83.5	80.6	„	0.7					
2 „	.864	.144	87.2	75.0	12.2	69.7	.720	.57	83.5	80.8	NW	0.6					
3 „	.822	.102	87.2	75.0	12.2	69.7	.720	.57	83.6	80.8	„	0.6					
4 „	.822	.098	86.8	75.0	11.8	69.9	.724	.58	83.5	81.0	NW b W	0.8					
5 „	.824	.091	86.0	75.0	11.0	70.2	.733	.61	83.0	81.0	NW	0.6					
6 „	.844	.065	82.6	75.2	7.4	72.1	.779	.72	81.5	81.0	„	0.5					
7 „	.863	.034	80.8	76.0	4.8	74.1	.829	.81	81.0	81.0	„	0.3		+	4	4	1.20
8 „	.898	.099	80.0	75.0	5.0	73.0	.799	.80	80.7	81.0	„	0.1		+	2		1.27
9 „	.930	.131	80.0	75.0	5.0	73.0	.799	.80	80.2	80.9	„	0.1		+	1		1.30
10 „	.928	.140	79.6	74.6	5.0	72.5	.788	.80	79.7	80.7	„	0.0		+	2		1.04
11 „	.920	.148	79.0	74.0	5.0	71.8	.772	.80	79.5	80.6	„	0.1					
Mar. 26th–Midnight	.907	.097	79.0	75.0	4.0	73.3	.810	.84	79.3	80.6	NW	0.1					
1 a. m.	.887	.072	78·5	75.0	3.5	73.5	.815	.86	79.0	80.6	„	0.0					
2 „	.875	.121	78.3	73.3	5.0	71.1	.754	.79	78.5	80.6	„	0.2					
3 „	.857	.135	76.8	72.0	4.8	69.8	.722	.80	77 6	80.5	NW b N	0.0					
4 „	.852	.102	77.6	73.0	4.6	71.0	.750	.81	78.0	80.4	NNE	0.2					
5 „	.871	.114	77.0	73.0	4.0	71.2	.757	.83	77.6	80.2	ENE	0.1					
6 „	.880	.147	76.8	72.3	4.5	70.2	.733	.81	77.0	80.0	„	0.1					
7 „	.892	.148	78·2	73.0	5.2	70.7	.744	.79	78.0	80.0	„	0.1					
8 „	.932	.209	81 4	73.4	8.0	69.8	.723	.69	79.8	80.0	„	0.2					
9 „	.942	.230	82.8	73.5	9.3	69.3	.712	.65	81.1	80 2	„	0.1					
10 „	.938	.237	84.8	73.8	11.0	68.9	.701	.60	82.2	80.4	„	0.1					
11 „	.926	.173	86.7	75.7	11.0	71.1	.753	.61	83.1	80 5	NW	0.3					
Noon.	.896	.103	87.6	77.0	10.6	72.7	.792	.63	84.0	80.7	„	0.1	None.			None.	
1 p. m.	.857	.125	87·7	75.5	12.2	70.2	.732	.58	84.0	81.0	NW b W	0.5					
2 „	.828	.037	87.8	77.0	10.8	72.6	.791	.62	84.1	81.2	„	0.6					
3 „	.814	28.980	87.5	78.0	9.5	74.3	.834	.66	84.3	81.2	NW	0.8					
4 „	.810	29.021	86·6	76.6	10.0	72.6	.789	.64	84.2	81.4	„	0.8					
5 „	.800	.017	86.4	76.4	10.0	72.3	.783	.64	84.0	81.4	„	0.8					
6 „	.810	.003	82.4	76.0	6.4	73.2	.807	.74	82.1	81.4	„	0.7					
7 „	.833	.045	81.0	75.0	6.0	72.5	.788	.76	81.0	81.4	„	0.8		+	2		Above 10m.
8 „	.870	.117	80.7	74·0	6.7	71.1	.753	.74	80.9	81.4	„	0.4		+	6		0.37
9 „	.896	.115	80.0	74.5	5.5	72.2	.781	.78	80·6	81.3	E	0.1		+	1		1.40
10 „	.892	.106	79.5	74.5	5.0	72.4	.786	.80	80.3	81.2	„	0.0					
11 „	.880	.083	78 5	74.5	4.0	72·9	.797	·84	79.6	81.0	„	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
2	C	⌒ in N and E hor.; ⌐ above W hor.	
2	B	⌒ along E hor.; ⌐ scattered along W hor.	
2	B	" " "	
1	B	⌒ scattered along E hor.	
1	B	⌒ scattered along E hor.; light mist in NE hor.	
1	G	" " "	
1	G	" " "	
1	G	⌒ along E hor.; ⌐ in W hemisphere; lightning in NE hor. at intervals of 1m.	
0	G	A few clouds in E hor.; and a few ⌐ in W; lightning in NE at intervals of 2m. 14s.	
0	C	A few clouds along E hor.	
1	C	⌐ scattered around hor.	
4	C	⌐ and ⌐ scattered about, the latter moving E.	
4	C	⌐ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°1.
1	B	⌐ scattered along E hor.	
2	B	" "	
2	B	⌐ scattered around hor.	25th March was the 8th day on which lightning was seen after sunset.
3	B	" "	
4	G	⌐ and ⌐ scattered about.	
3	G	⌐ and ⌐ scattered about hor.; mist around hor.	
1	G	⌐ and mist along E hor.; dense mist along W hor.	
1	G	" " " "	
2	C	⌐ and ⌐ scattered about hor.	
4	C	⌐ and ⌐ scattered about, the former moving SE.	
5	C	" " "	
5	C	" " "	
3	B	⌒ along E hor.; ⌐ scattered around hor.	
2	B	" " "	
2	B	⌒ scattered along E hor.	
2	B	" "	
2	G	" "	
3	G	⌒ along E hor.; ⌐ and ⌐ scattered about.	
3	G	⌐ and ⌐ scattered about; lightning in E hor. at intervals of 1m. 10s.	
6	G	⌐ scattered about moving SSE; lightning in E hor. at intervals of 1m. 29s.	
6	C	⌐ scattered about moving SSE.	
6	C	" "	
3	C	" "	
3	C	⌐ scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 83°1.
2	B	⌐ scattered about hor.	
2	B	" "	
2	B	" "	26th March was the 9th day on which lightning was seen after sunset.
2	B	" "	
2	G	" "	
2	G	⌐ and mist around hor.	
1	G	⌐ scattered along E hor.; mist and fog in hor.	
2	G	⌐ and mist around hor.	
2	C	" "	
0	C	⌐ above NE hor.; ⌐ above E hor.	
0	C	⌒ along E hor.	
1	C	⌒ scattered along E hor.	
1	B	⌒ ranged along E hor.; mist in hor.	
2	B	" " "	
2	B	" " "	
2	B	" " "	
2	G	" " "	
4	G	⌒ along E hor.; ⌣ scattered about hor.; lightning in E hor.	
6	G	⌐ scattered about moving SE; lightning in E hor. at intervals of 1m. 5s.	
6	G	⌐ scattered about moving E; lightning in E hor. at intervals of 2m. 10s.	
6	C	Clouded as before; lightning in E hor. at intervals of 2m. 16s.	
4	C	⌐ scattered about moving E.	
3	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in the recovering same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Mar.27th-Midnight	29.874	29.060	78°0	74°8	3°2	73°5	0°814	0.87	79°3	80°9	E b N	0.0					
1 a. m.	.844	.023	78.0	75.0	3.0	73.8	.821	.87	78.6	80.7	„	0.2					
2 „	.822	28.997	78.4	75·2	3.2	73·9	.825	.87	78.8	80.7	NNW	0.2					
3 „	.819	.999	78.1	75.0	3.1	73.7	.820	.87	78.8	80.7	„	0.3					
4 „	·812	.992	78.1	75.0	3.1	73.7	.820	.87	78.8	80.7	„	0.3					
5 „	.835	29.014	78.0	75.0	3.0	73.8	.821	.87	78.2	80.7	„	0.4					
6 „	.851	.060	77.3	74.0	3.3	72.6	.791	.87	78.0	80.6	„	0.3					
7 „	.870	.055	78.5	75.0	3.5	73.5	.815	.86	78.0	80.6	NNE	0.2					
8 „	·890	·041	80.4	76.4	4.0	74.8	.849	.84	79.7	80.6	E b N	0.3					
9 „	.902	.086	82.0	76.0	6·0	73·6	.816	.77	80.8	80.7	E	0.1					
10 „	.896	.113	85.0	76.0	9.0	72.3	.783	.67	82.7	80.8	„	0.1					
11 „	.879	.118	87.0	76.0	11.0	71.4	.761	.61	84.0	81.0	N W b W	0·1	None.	None.	None.	None.	None.
Noon.	.842	.075	87.2	76·2	11.0	71.7	.767	.61	84.3	81.2	NW b N	0.2					
1 p. m.	.808	.039	88.0	76.5	11.5	71.8	.769	.59	84.5	81.4	NW b W	0.6					
2 „	.779	.040	89.0	76.0	13.0	70.5	.739	.56	85.1	81.5	NW	0.5					
3 „	.763	28.987	89.2	77.0	12.2	72.0	.776	.58	85.5	81.7	„	0.7					
4 „	.760	.971	88.0	77·0	11.0	72.6	.789	.61	85.3	81.8	NW b N	0.8					
5 „	.755	.957	87.2	77.0	10.2	72.9	.798	.64	85.0	81.8	„	0.6					
6 „	.764	.959	84.8	76.5	8.3	73.2	.805	.69	83.2	81.9	„	0.5					
7 „	.782	.938	83.0	77.0	6.0	74.6	.844	.77	83.0	82.0	NNW	0·5					
8 „	.801	.994	82.8	76.0	6.8	73.0	.801	.74	82.8	82.0	„	0.5					
9 „	.830	29.053	82.0	75.0	7.0	72.0	.777	.73	82.4	81.9	„	0.1					
10 „	.830	.042	81.0	75.0	6.0	72.5	.788	.76	82.1	81.8	„	0.0					
11 „	.830	.101	80.2	73.2	7.0	70.1	.729	.72	80.7	81.7	„	0.1					
Mar.28th-Midnight	.826	.112	79.6	72.6	7.0	69.4	.714	.72	80.3	81.4	NNW	0.0					
1 a. m.	.813	.111	78.6	72.0	6·6	68.9	.702	.74	79.3	81.2	„	0.0					
2 „	.788	.061	78.4	72.6	5.8	70.0	.727	.76	78.8	81·2	„	0.0					
3 „	.785	.009	78.6	74.0	4·6	72.0	.776	.81	79.0	81.2	„	0.2					
4 „	.789	28.979	79.0	75.0	4.0	73.4	.810	.84	79.3	81.2	„	0.2					
5 „	.809	29.003	79.4	75.0	4.4	73.2	.806	.82	80.0	81.2	„	0.2					
6 „	.829	.030	80.0	75.0	5.0	73.0	.799	.80	80.2	81.2	„	0.1					
7 „	.853	.063	80.8	75.0	5.8	72.6	.790	.77	80.4	81.1	„	0.2					
8 „	.881	.087	84.0	76.0	8.0	72.8	.794	.70	82.0	81.1	„	0.2					
9 „	.895	.121	85·8	76.0	9.8	71.9	.774	.65	84.0	81.3	„	0.1					
10 „	.889	.128	87.0	76.0	11.0	71.4	.761	.61	84.5	81.5	„	0.1					
11 „	.871	.078	89.5	77.5	12.0	72.7	.793	.59	85.7	81.7	„	0.1	None.	None.	None.	None.	None.
Noon.	.839	.046	89.5	77.5	12.0	72.7	.793	.59	86.0	81.8	„	0.2					
1 p. m.	.807	.026	89.5	77.2	12.3	72.2	.781	.58	86·2	82.0	WNW	0.7					
2 „	.777	28.999	89.0	77.0	12.0	72.1	.778	.59	86.0	82.1	NW b W	0.7					
3 „	.756	29.056	89.0	75.0	14.0	68.8	.700	.53	86.0	82.3	NW	0.8					
4 „	.746	.006	88.9	76.0	12.9	70.6	.740	.56	85.8	82.4	NW b N	0.7					
5 „	.751	28.996	87·8	75.5	12.3	70.2	.733	.57	85.0	82.4	NW	0.6					
6 „	.768	29·021	84.7	75·0	9.7	70.8	.747	.65	84.2	82.5	NW b N	0.4					
7 „	.784	.056	83.0	74.0	9.0	70.0	.728	.66	83.5	82.5	„	0.2					
8 „	.813	.078	82.4	74.0	8.4	70.4	.735	.68	83.0	82.4	„	0·2					
9 „	.833	.110	81.4	73.4	8.0	69.8	.723	.69	82.1	82.3	„	0.1					
10 „	.835	.122	81.0	73.0	8.0	69.4	·713	·69	82.0	82.2	NNW	0.1					
11 „	.835	.122	81.0	73.0	8.0	69.4	.713	.69	81.7	82.1	„	0.1					
Mar.30th-Midnight	.831	.123	78.5	72.1	6.4	69.2	.708	.74	79.3	81.5	NNW	0.1					
1 a. m.	.816	.119	77.5	71.5	6.0	68.7	.697	.76	78·4	81.5	„	0.1					
2 „	.794	.106	76.6	71.0	5.6	68.3	.688	.77	77.8	81.4	„	0.0					
3 „	.789	.129	76.0	70.0	6.0	67·1	.660	.75	77.4	81.3	„	0.0					
4 „	.793	.144	75.5	69 5	6.0	66.5	.649	.75	77.0	81.1	„	0.1					
5 „	.805	.156	75.5	69.5	6.0	66.5	.649	.75	76.3	81.0	N b W	0.2					
6 „	.823	.161	75.8	70.0	5.8	67.1	.662	.76	76.5	81.0	N	0.1					
7 „	.841	.179	77.4	70.5	6·9	67·1	.662	.72	77.0	80.8	N b E	0.2					
8 „	.873	.252	80.2	70.2	10.0	65.2	.621	.62	79.2	80.9	N	0.2					
9 „	·881	.264	83.0	71.0	12.0	65.0	.617	.56	81.2	81.0	N b W	0.1					
10 „	.874	.237	85.2	71.2	14.0	66.0	.637	.54	82.4	81.2	NNW	0.3					
11 „	.865	.271	86·4	71.4	15.0	63.8	.594	.48	83.5	81.4	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
2	C	≋ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°1.
1	B	≋ scattered along E hor.; dew falling.	
1	B	" " "	
0	B	A few patches of ≋ in E hor.; dew falling.	
1	B	≋ scattered along E hor.; dew falling.	27th March was the 10th day on which wind blew abnormally.
1	G	" " "	
3	G	≋ scattered about hor.; mist around hor.	
3	G	" " "	
4	G	≋ scattered about; mist and fog in E.	
1	C	≋ scattered along E hor.; mist along E hor.	
0	C	A few pieces of clouds above NE hor.	
1	C	⌒ scattered along E hor.	
1	C	" "	
1	B	" "	
1	B	" "	
1	B	" "	
1	B	⌒ along E hor.; mist in E hor.	
2	G	⌒ along E hor.; mist in hor.	
2	G	≋ scattered around hor.; mist in hor.	
1	G	≋ scattered around hor.	
0	G	A few clouds around hor.	
0	C	" " "	
0	C	A few ≋ around hor.	
0	C	" "	
1	C	≋ scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°1 and 83°1. The temperature of Air at 11 A.M., Noon, and 1 P.M., was 89°5 greatest during the month.
0	B	A few patches of ≋ in E hor.	
0	B	" " "	
0	B	" " "	
0	B	" " "	
0	G	" " "	
0	G	Mist around hor.	
0	G	Mist and fog in hor.	
0	G	" "	
0	C	" "	
0	C	Light mist in hor.	
0	C	A few patches of ≋ along E hor.	
1	C	≋ scattered along E hor.	
1	B	" "	
1	B	≋ and mist along E hor.	
1	B	" " "	
1	B	" " "	
1	G	" " "	
0	G	A few pieces of clouds above E hor.	
0	G	" " "	
1	G	≋ scattered about hor.	
1	G	" "	
1	G	" "	
2	G	" "	
0	C	Clear, except in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°1.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	A few ≀ along E hor.	
1	G	≀ and mist around hor.	
1	G	" "	
1	G	" "	
1	C	" "	
0	C	A few ≀ and mist in E hor.	
0	C	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 Inch in the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Mar. 30th-Noon.	29.836	29.246	86°8	71°4	15°4	63°6	0.590	0.48	84°0	81°6	NW b N	1.1					
1 p. m.	.798	.233	86.6	70.8	15.8	62.3	.565	.47	84.0	81.6	„	1.4					
2 „	.776	.203	87.0	71.0	16.0	62.7	.573	.46	84.1	81.6	„	1.5					
3 „	.758	.183	86.8	71.0	15.8	62.8	.575	.47	84.0	81.8	„	1.8					
4 „	.754	.168	85.8	71.0	14.8	63.4	.586	.49	83.4	81.8	NW	1.8					
5 „	.754	.133	84.0	71.5	12.5	65.2	.621	.55	82.0	81.9	NW b N	1.4					
6 „	.773	.152	81.4	70.6	10.8	65.2	.621	.59	80.2	81.9	NW	1.5	None.			None.	
7 „	.792	.141	80.0	71.0	9.0	66.6	.651	.65	80.0	81.8	„	1.3		+	2		Above 10m.
8 „	.827	.209	79.8	70.0	9.8	65.1	.618	.62	80.0	81.7	NW b N	0.6		+	4		1.18
9 „	.853	.245	79.2	69.5	9.7	64.6	.608	.62	79.6	81.5	„	0.3		+	2		1.41
10 „	.851	.219	79.2	70.2	9.0	65.7	.632	.65	79.4	81.3	NNW	0.2		+	1		Above 10m.
11 „	.830	.145	78.6	71.5	7.1	68.1	.685	.71	79.1	81.1	NW b N	0.4		+	1		3.50
Mar. 31st-Midnight	.819	.114	78.4	72.0	6.4	69.0	.705	.74	78.8	81.0	NW b N	0.5		+	1		4.35
1 a. m.	.790	.091	77.6	71.6	6.0	68.8	.699	.76	78.3	80.9	„	0.5					
2 „	.783	.069	77.5	72.0	5.5	69.4	.714	.77	78.2	80.9	NNW	0.6					
3 „	.786	.029	77.0	73.0	4.0	71.2	.757	.83	78.0	80.9	„	0.6					
4 „	.790	.031	76.8	73.0	3.8	71.3	.759	.84	77.8	80.8	NW b N	0.6					
5 „	.810	.049	76.6	73.0	3.6	71.4	.761	.86	77.0	80.8	„	0.5					
6 „	.842	.090	75.8	72.5	3.3	71.1	.752	.86	76.8	80.7	NNW	0.3					
7 „	.867	.103	76.4	73.0	3.4	71.5	.764	.85	76.0	80.5	N b W	0.2					
8 „	.884	.149	79.0	73.0	6.0	70.4	.735	.76	78.2	80.4	N	0.3					
9 „	.896	.170	81.5	73.5	8.0	69.9	.726	.69	80.4	80.5	N b W	0.1	None.			None.	
10 „	.889	.110	83.6	75.5	8.1	72.1	.779	.70	81.0	80.8	NW b N	0.2					
11 „	.878	.073	84.4	76.4	8.0	73.2	.805	.70	82.1	81.0	„	0.3					
Noon.	.864	.059	84.4	76.4	8.0	73.2	.805	.70	82.5	81.2	NW b W	0.4					
1 p. m.	.831	.027	84.5	76.4	8.1	73.1	.804	.70	82.5	81.2	„	0.7					
2 „	.795	28.997	84.4	76.2	8.2	72.9	.798	.69	82.2	81.2	„	0.6					
3 „	.776	.982	84.0	76.0	8.0	72.8	.794	.70	82.2	81.4	„	0.5					
4 „	.752	.986	83.0	75.0	8.0	71.6	.766	.70	82.0	81.4	„	0.8					
5 „	.767	.992	82.2	75.0	7.2	72.0	.775	.72	81.0	81.5	„	0.8					
6 „	.783	29.006	79.2	74.2	5.0	72.1	.777	.80	80.2	81.5	NW	0.6					
7 „	.796	.013	78.0	74.0	4.0	72.3	.783	.83	79.0	81.3	„	0.4					
8 „	.838	.055	78.0	74.0	4.0	72.3	.783	.83	78.8	81.3	NNW	0.2					
9 „	.866	.079	77.6	74.0	3.6	72.5	.787	.85	78.5	81.2	„	0.1					
10 „	.844	.034	77.6	74.6	3.0	73.3	.810	.87	78.4	81.1	„	0.2					
11 „	.820	28.995	77.6	75.0	2.6	73.9	.825	.89	78.3	80.8	NW b N	0.2					
April 1st-Midnight	.820	.990	77.2	75.0	2.2	74.1	.836	.90	78.1	80.7	NW b N	0.1					
1 a. m.	.820	29.030	77.4	74.0	3.4	72.6	.790	.86	78.2	80.7	N b W	0.0					
2 „	.808	.003	76.0	74.0	2.0	73.2	.805	.91	77.5	80.7	„	0.1					
3 „	.808	.003	76.0	74.0	2.0	73.2	.805	.91	77.5	80.6	NW	0.0					
4 „	.805	.000	76.0	74.0	2.0	73.2	.805	.91	77.5	80.6	„	0.2					
5 „	.822	.017	76.0	74.0	2.0	73.2	.805	.91	77.5	80.6	„	0.0					
6 „	.845	.024	75.2	74.2	1.0	73.8	.821	.96	76.3	80.4	„	0.1					
7 „	.868	.074	77.0	74.0	3.0	72.8	.794	.87	76.8	80.4	„	0.1					
8 „	.885	.105	79.4	74.4	5.0	72.3	.783	.80	78.7	80.4	NNW	0.2					
9 „	.898	.075	81.4	76.0	5.4	73.8	.823	.79	80.2	80.4	NW b N	0.2					
10 „	.894	.113	83.4	75.5	7.9	72.2	.781	.70	81.0	80.5	NE b N	0.1					
11 „	.876	.053	84.2	76.8	7.4	73.8	.823	.72	81.9	80.7	NW b N	0.2					
Noon.	.845	.060	84.8	76.0	8.8	72.4	.785	.68	82.2	80.9	NW	0.5	None.			None.	
1 p. m.	.813	.022	85.3	76.3	9.0	72.6	.791	.67	82.7	81.1	„	0.5					
2 „	.792	28.991	86.5	76.9	9.6	73.0	.801	.66	83.4	81.3	„	0.2					
3 „	.770	.953	86.2	77.2	9.0	73.6	.817	.67	83.7	81.5	„	0.3					
4 „	.765	.999	86.5	76.0	10.5	71.6	.766	.63	84.2	81.7	„	0.2					
5 „	.756	29.021	85.8	75.0	10.8	70.3	.735	.61	83.5	81.8	„	0.5					
6 „	.767	28.964	83.2	76.0	7.2	73.1	.803	.73	82.5	81.7	„	0.7					
7 „	.767	.925	81.8	76.6	5.2	74.6	.842	.80	81.6	81.6	„	0.4					
8 „	.782	.957	81.2	76.0	5.2	73.9	.825	.79	81.2	81.5	„	0.4					
9 „	.809	.923	81.0	77.5	3.5	76.1	.886	.87	81.0	81.5	„	0.4					
10 „	.816	.887	80.4	78.4	2.0	77.6	.929	.92	80.8	81.4	„	0.2					
11 „	.816	.899	80.0	78.0	2.0	77.2	.917	.92	80.2	81.4	NW b W	0.3		+	2		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	C	A few ≀ and mist in E hor.	
0	B	Mist along E hor.; fresh breezes of wind blowing.	
0	B	" " " "	
0	B	" " " "	
0	B	A few ≀ and mist in E hor.; fresh breezes of wind blowing.	
0	G	" " " "	
0	G	Cloudless; fresh breezes of wind blowing.	
0	G	Cloudless.	
0	G	"	
0	C	"	
1	C	≀ scattered from NW to NE hor.	
2	C	" " "	
2	C	≀ and ≀ scattered about hor.; the former moving W.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 83°3.
2	B	≀ scattered about hor., moving N.	
5	B	" " "	
3	B	" " "	31st March was the 10th day on which lightning was seen after sunset.
4	B	≀ like clouds scattered about, moving SE.	
6	G	" " " "	
6	G	Dense fleecy clouds scattered about, moving SE; mist in hor.	
6	G	" " " "	
5	G	" " " "	
2	C	Dense fleecy clouds scattered about moving SE; light mist along E hor.	
2	C	" " " "	
1	C	Fleecy clouds scattered in W and NW.	
2	C	≀ along E hor.; ≀ scattered along W hor.	
1	B	≀ along E hor.; ≀ above W and N hor.	
1	B	≀ along E hor.; ≀ above SE hor.	
3	B	≀ along E hor.; fleecy clouds scattered about, moving ENE.	
2	B	" " "	
4	G	≀ in E hor.; fleecy clouds scattered about, moving ENE.	
5	G	Fleecy clouds scattered about, moving SE; lightning in E hor. at intervals of ¼m.	
5	G	" " " " " "	
6	G	Fleecy clouds scattered about, moving SE; lightning in E hor. at intervals of 11s.	
1	C	Fleecy clouds scattered about hor. moving SE; lightning in E hor. at intervals of 1½m.	
1	C	Fleecy clouds scattered above NW hor. moving SE; lightning in NE hor. at intervals of 2½m.	
1	C	Fleecy clouds scattered along E hor.; lightning in NE hor. at intervals of 4m.; dew falling.	
1	C	≀ scattered above SE hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°5. The Height of Barometer at 9 A.M. was 29°898 the greatest during the month, and about 0°020 in. greater than the Normal Mean for that hour.
4	B	Dense fleecy clouds scattered about, moving SE; dew falling.	
1	B	Fleecy clouds scattered along E. hor.; dew falling.	
1	B	" " "	
0	B	Cloudless; dew falling.	
1	G	≀ scattered along E hor.; dew falling.	
5	G	Fleecy clouds scattered about, moving ESE; mist around hor.	
4	G	Fleecy clouds scattered about, moving SE; mist and fog in hor.	
5	G	" " " "	
3	B	" " " "	
0	B	A few patches of ≀ in SE hor.; mist in hor.	
0	B	A few patches of ≀ above W hor.	
0	B	A few patches of ≀ above NE and SE hor.	
1	C	≀ scattered along E hor.	
1	C	" "	
1	C	" "	
2	C	" "	
2	B	≀ along E hor. and ≀ scattered along W.	
2	B	≀ and ≀ in hor. as at 5 P.M.; mist in hor.	
2	B	" " "	
1	B	≀ scattered above E and S hor.	
3	G	" " "	
3	G	≀ and ≀ scattered about the former, moving W, and the latter SE.	
4	G	" " " " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in seconds in the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
April 2nd-Midnight	29.807	28.997	79°0	75°0	4°0	73°3	0.810	0·84	80°0	81°4	WNW	0.2		+	1		Above 10m.
1 a. m.	.799	·946	78·6	76.0	2.6	75.0	.853	.89	79.7	81.3	„	0.1					
2 „	.792	.938	78.2	75.9	2.3	75.0	.854	.90	79.5	81.2	„	0.3					
3 „	.771	.940	77.5	75.1	2.4	74.1	.831	.90	79.2	81.1	NW b W	0.1					
4 „	.772	·957	76.9	74.5	2.4	73.5	·815	.90	78.8	81.1	„	0.0					
5 „	.782	·948	76.8	75.0	1.8	74.3	·834	.92	78.3	81.0	„	0.0					
6 „	.802	·980	76.2	74·5	1.7	73.8	·822	.93	77.8	80.9	„	0.1					
7 „	.821	.964	78.3	76.0	2.3	75.1	·857	.90	78.3	80.8	NW b N	0.0					
8 „	.834	.977	80.9	77.0	3.9	75.5	.867	.84	80.0	81.0	„	0.1					
9 „	.841	29·014	82.8	76·5	6.3	74.0	.827	.76	80.9	81.1	N	0.1					
10 „	.833	.011	85.0	77.0	8.0	73.8	.822	.70	82·0	81.3	NW b N	0.1	None.			None.	
11 „	.818	28.946	85.4	78.4	7.0	75.6	.872	.74	83.0	81.4	WNW	0.2					
Noon.	.782	.892	86.3	79.0	7.3	76.3	.890	.73	83.3	81.5	„	0.3					
1 p. m.	.761	·909	87.4	78.4	9.0	74.9	.852	.67	84.0	81.7	NW b W	1.3					
2 „	.735	·892	88.2	78.4	9.8	74·6	·843	.65	85.1	81.9	NW	1.5					
3 „	·717	·911	88.6	77.6	11.0	73.2	.806	.62	86.0	82.1	NW b N	0.4					
4 „	·705	.906	88.6	77.4	11.2	73.0	.799	.61	86.3	82.3	„	0.4					
5 „	.685	.910	87.5	76.5	11.0	72.0	·775	.61	86.0	82.4	„	0.5					
6 „	.692	.921	84·3	75.5	8.8	71.8	·771	.67	84.0	82.4	„	0.7					
7 „	.701	.937	83.2	75.0	8.2	71.5	·764	.69	83.0	82.4	„	0.6					
8 „	.721	.936	83.0	75.5	7.5	72.4	.785	.71	82.6	82.4	„	0.6					
9 „	·745	·974	82.5	75.0	7.5	71.8	·771	.71	82.4	82.3	NW	0.5					
10 „	·768	.979	80.9	75.0	5.9	72.6	·789	.77	81.5	82.3	„	0.3					
11 „	.765	·972	80.5	75.0	5.5	72.7	·793	.78	81.0	82.3	„	0.4					
April 4th-Midnight	.728	.960	79.4	74.0	5.4	71.7	.768	.78	80.1	82.0	NNW	0.4					
1 a. m.	.718	.967	78.2	73.2	5.0	71·0	·751	.79	79.5	81.7	„	0.1					
2 „	.707	.949	77.3	73.1	4.2	71.3	·758	.82	78.7	81.5	„	0.1					
3 „	.697	.936	76.6	73 0	3.6	71.4	.761	.85	77·9	81.4	„	0.0					
4 „	.696	.965	76.0	72·0	4.0	70.2	·731	.83	77.5	81.4	„	0.1					
5 „	.697	.936	76.0	72.8	3.2	71.4	·761	.86	77.5	81.2	„	0.0					
6 „	.720	.952	76.0	73.0	3.0	71.7	·768	.87	77.1	81.0	N b W	0.1					
7 „	.750	.967	78.0	74.0	4.0	72.3	·783	.83	77.9	80.9	N	0.1					
8 „	.774	.951	81.4	76·0	5.4	73.8	·823	.79	80.0	81·0	N b E	0.3					
9 „	.776	.971	83.0	76.0	7.0	73.2	·805	.73	81.7	81.2	N b W	0.2					
10 „	.767	.984	83.8	76.8	7.0	72.3	·783	.73	82.8	81.4	„	0.4					
11 „	.757	.893	84.8	78.0	6.8	75.4	·864	.79	83.0	81.4	„	0.4	None.	None.	None.	None.	None.
Noon.	.737	.875	85.0	78.0	7.0	75.3	.862	.74	83.4	81.6	NW b W	0.1					
1 p. m.	.712	.854	85.4	78.0	7.4	75.1	.858	.72	83.6	81.8	„	0.2					
2 „	.689	.878	86.0	77.0	9.0	73.4	.811	.67	83.9	81.9	„	0.3					
3 „	.675	.868	85.6	76.8	8.8	73.2	.807	.68	83.9	81.9	„	0.3					
4 „	.670	.878	85.2	76.3	8.9	72.7	.792	.67	83.7	82.0	„	0.3					
5 „	.659	.888	83.6	75.3	8.3	71.8	.771	.69	82.8	82.0	„	0.4					
6 „	.670	.882	81.0	75.0	6.0	72.5	·788	.76	81.0	82.0	„	0.4					
7 „	.679	.913	79.5	74.0	5.5	71.6	.766	.78	80.0	81.9	„	0.5					
8 „	.690	·911	79.0	74.2	4.8	72.1	.779	.80	79.5	81.9	„	0·2					
9 „	.709	.897	78.8	75.0	3.8	73.4	.812	·84	79.3	81.8	„	0.4					
10 „	.711	.876	78.5	75.5	3.0	74.3	·835	.88	79.3	81.8	„	0.4					
11 „	.711	.876	78.5	75.5	3.0	74.3	.835	.88	79.3	81.8	„	0.6					
April 6th-Midnight	.772	.912	78.0	76.0	2.0	75.2	.860	.92	79.0	81.8	NW	0.5					
1 a. m.	.770	.966	77.5	74.4	3.1	73.1	.804	·87	78·6	81.7	„	0.0					
2 „	.762	.961	76.4	74.0	2.4	73.0	.801	.90	78.4	81.6	NW b N	0.1					
3 „	.756	.959	76.7	74.0	2.7	72.9	.797	.89	78.2	81·4	NW	0.1					
4 „	.758	.953	76.0	74.0	2.0	73.2	.805	.91	77.6	81.4	N W b N	0·1					
5 „	.769	.996	75.5	73.0	2.5	71.9	.773	.89	77.0	81.2	N	0.1	None.	None.	None.	None.	None.
6 „	.790	29.013	75.0	73.0	2.0	72.0	.777	.91	76.1	81.0	„	0.0					
7 „	.805	28.989	76.8	74.5	2.3	73·6	.816	.90	77·0	80.8	„	0.1					
8 „	.836	29.049	79.7	74.6	5.1	72.5	.787	.79	79.0	80.8	N b E	0.1					
9 „	.835	.036	81.8	75.5	6.3	73.0	.799	.75	81.0	80.9	N	0.2					
10 „	.840	28.996	83.0	77.0	6.0	74.6	.844	·77	81.4	81.0	NW b N	0.3					
11 „	.825	29.016	84.4	76.5	7.9	73.3	.809	.70	81.8	81.2	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ⌒≀⌒ nimbi.	
6	G	≀≀ and ≀≀ scattered about, the former moving E and latter W; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 83°4.
5	C	Clouded with ≀≀ and ≀≀, both moving SE; dew falling.	
5	C	" " "	
3	C	≀≀ and ≀≀ scattered about, both moving SSE; dew falling.	
2	C	≀≀ scattered about hor.; dew falling.	
1	B	≀≀ scattered along E hor.; dew falling.	
1	B	≀≀ scattered about hor.; mist in hor.	
0	B	A few pieces of ≀≀ above W hor.; mist in hor.	
0	B	Mist in horizon.	
0	G	" "	
0	G	A few ≀ above SE hor.	
0	G	A few clouds above E hor.	
2	G	⌒≀ and ≀≀ scattered along E hor.	
2	C	" " "	
1	C	" " "	
1	C	" " "	
1	C	" " "	
0	B	Mist along E hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	A few pieces of ≀≀ along E hor.	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°3.
0	C	"	
0	C	"	
0	C	Cloudless and dew falling.	
0	C	" "	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
1	B	≀≀ scattered along W hor.; mist in hor.	
1	G	" " "	
0	G	A few clouds and mist in hor.	
0	B	Mist around hor.	
0	C	A few pieces of ≀≀ above NE hor.	
0	C	Hazy along E hor.	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	B	Light mist along E hor.	
0	B	" " "	
0	B	Cloudless.	
0	B	"	
0	B	"	
1	B	≀≀ scattered along E hor.	
7	B	≀≀ scattered throughout moving E.	
2	G	≀≀ scattered about hor.	
2	C	Clouded as before; dew falling	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°5. The Temperature of Air at 6 A.M. was 75°0 lowest during the month and about 7°6 lower than the Normal Mean for that hour.
3	C	≀≀ scattered about moving SSE; dew falling.	
4	C	" " "	
4	C	" " "	
1	B	≀≀ scattered along the E hor.; dew falling.	
1	B	" " "	
0	B	A few pieces of clouds along the E hor.; mist in hor.	
0	B	" " "	
0	G	" " "	
1	G	≀≀ scattered about hor.	
1	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
April 6th-Noon.	29.808	28.986	85°0	77°0	8°0	73°8	0.822	0.70	82°0	81°4	NW	0.4					
1 p. m.	.785	.953	86.2	77.6	8.6	74.2	.832	.68	82.6	81.5	„	0.2		+	2		Above 10m.
2 „	.765	.938	86.0	77.4	8.6	74.0	.827	.68	82.8	81.7	„	0.4					
3 „	.743	.900	85.2	77.6	7.6	74.6	.843	.72	83.1	81.7	„	0.3					
4 „	.741	.891	84.6	77.6	7.0	74.8	.850	.74	83.1	81.7	NW b N	0.3					
5 „	.735	.997	83.9	74.5	9.4	70.5	.738	.65	82.3	81.7	„	0.5	None.			None.	
6 „	.739	.914	81.2	76.0	5.2	73.9	.825	.79	81.2	81.7	NNW	0.5					
7 „	.751	.952	80.0	75.0	5.0	73.0	.799	.80	80.2	81.5	„	0.6					
8 „	.762	.919	79.5	76.0	3.5	74.6	.843	.86	80.0	81.5	„	0.6					
9 „	.790	.926	79.4	76.5	2.9	75.4	.864	.88	80.0	81.4	„	0.4					
10 „	.794	.906	79.0	77.0	2.0	76.2	.888	.92	79.9	81.4	„	0.3					
11 „	.792	.910	78.8	76.8	2.0	76.0	.882	.92	79.0	81.4	„	0.2					
Apr. 7th-Midnight	.784	.949	78.5	75.5	3.0	74.3	.835	.88	79.0	81.4	NNW	0.4					
1 a. m.	.768	.958	77.6	74.6	3.0	73.3	.810	.87	78.7	81.4	„	0.1		+	4		1.04
2 „	.750	.925	77.0	74.8	2.2	73.9	.825	.91	78.4	81.3	NNE	0.1		+	2		2.15
3 „	.741	.936	76.0	74.0	2.0	73.2	.805	.91	77.7	81.2	„	0.1					
4 „	.741	.936	76.0	74.0	2.0	73.2	.805	.91	77.4	81.2	„	0.0					
5 „	.745	.945	75.8	73.8	2.0	73.0	.800	.91	77.0	81.0	„	0.2					
6 „	.767	.933	76.8	75.0	1.8	74.3	.834	.92	77.3	80.8	N b W	0.1					
7 „	.792	.941	78.8	76.0	2.8	74.9	.851	.88	78.2	80.8	N	0.1					
8 „	.814	.954	81.5	77.0	4.5	75.2	.860	.82	80.2	81.0	N b W	0.1					
9 „	.817	.950	82.8	77.5	5.3	75.5	.807	.79	81.0	81.2	„	0.2					
10 „	.811	.938	84.0	78.0	6.0	75.7	.873	.77	82.0	81.3	„	0.4	None.			None.	
11 „	.788	.949	85.6	77.6	8.0	74.4	.839	.70	82.3	81.4	„	0.6					
Noon.	.775	.968	86.4	77.0	9.4	73.2	.807	.66	83.0	81.6	NW	0.7					
1 p. m.	.750	29.014	87.5	75.5	12.0	70.4	.736	.58	84.6	81.8	„	0.9					
2 „	.719	28.986	87.8	75.5	12.3	70.2	.733	.57	84.9	81.9	„	1.0					
3 „	.713	29.005	87.9	74.9	13.0	69.2	.708	.55	85.2	82.1	NW b N	1.0					
4 „	.708	28.994	87.7	75.0	12.7	69.4	.714	.56	85.3	82.2	„	0.9					
5 „	.705	.976	86.4	75.0	11.4	70.1	.729	.59	84.5	82.4	„	1.0					
6 „	.719	29.019	82.2	73.0	9.2	68.9	.700	.65	82.2	82.4	NW	1.0					
7 „	.739	.083	81.1	71.5	9.6	66.8	.656	.63	81.1	82.4	NW b N	1.0					
8 „	.754	.074	80.6	72.0	8.6	68.0	.680	.67	80.7	82.3	„	1.0					
9 „	.768	.088	80.6	72.0	8.6	68.0	.680	.67	80.5	82.1	„	0.7					
10 „	.774	.094	80.6	72.0	8.6	68.0	.680	.67	80.3	82.0	„	1.4					
11 „	.774	.094	80.6	72.0	8.6	68.0	.680	.67	80.0	82.0	„	1.0					
Apr. 8th-Midnight	.768	.048	80.4	73.0	7.4	69.7	.720	.71	80.0	82.0	NW b N	0.7					
1 a. m.	.768	.042	80.2	73.1	7.1	69.9	.726	.72	80.0	81.9	„	1.1					
2 „	.758	.016	80.0	73.5	6.5	70.6	.742	.74	79.9	81.8	NNW	0.5					
3 „	.752	28.999	79.0	73.5	5.5	71.1	.753	.78	78.2	81.7	N	0.2					
4 „	.757	29.037	77.0	72.0	5.0	69.7	.720	.79	78.5	81.5	N b W	0.1					
5 „	.768	.045	76.7	72.0	4.7	69.8	.723	.80	78.2	81.5	N	0.0					
6 „	.797	.059	76.0	71.5	4.5	70.5	.738	.81	77.3	81.3	„	0.1					
7 „	.818	.096	78.5	72.5	6.0	69.8	.722	.76	78.1	81.1	„	0.1					
8 „	.833	.115	82.2	73.5	8.7	69.6	.718	.67	81.0	81.2	N b W	0.2					
9 „	.827	.168	85.8	73.0	12.8	69.0	.659	.55	83.5	81.4	„	0.5					
10 „	.822	.208	88.6	72.6	16.0	64.8	.614	.47	84.3	81.6	„	0.4					
11 „	.802	.133	89.0	74.2	14.8	67.4	.669	.51	85.1	81.8	NW b N	0.5					
Noon.	.774	.035	89.0	76.0	13.0	70.5	.739	.56	85.5	82.0	„	0.6	None.	+	2	None.	Above 10m.
1 p. m.	.757	.002	88.3	76.2	12.1	71.2	.755	.58	85.6	82.1	„	0.7					
2 „	.720	28.922	88.3	77.3	11.0	72.9	.798	.61	85.6	82.2	„	0.5					
3 „	.714	.902	87.8	77.5	10.3	73.4	.812	.64	85.7	82.3	NW	0.3					
4 „	.702	.890	87.4	77.4	10.0	73.4	.812	.64	85.4	82.4	„	0.3					
5 „	.703	.858	84.8	77.5	7.3	74.7	.845	.73	83.5	82.5	„	0.8					
6 „	.715	.894	81.5	76.0	5.5	73.8	.821	.78	81.7	82.4	NW b N	1.0					
7 „	.749	.909	79.8	76.0	3.8	74.5	.840	.84	80.5	82.4	„	1.0					
8 „	.758	.948	79.0	75.0	4.0	73.3	.810	.84	80.0	82.3	NW	0.8					
9 „	.780	.929	78.8	76.0	2.8	74.9	.851	.88	80.0	82.1	NNW	0.7					
10 „	.786	.930	78.4	76.0	2.4	75.1	.856	.90	80.0	82.0	„	0.6					
11 „	.786	.930	78.4	76.0	2.4	75.1	.856	.90	79.6	81.9	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	Remarks.
0	G	A few clouds in E hor.	
0	C	A few clouds in NE hor.	
0	C	Pieces of clouds scattered about.	
0	C	" " "	
0	C	A few pieces of clouds in N and E above hor.	
0	B	Light mist along the E hor.	
0	B	" " "	
0	B	Cloudless.	
0	B	"	
0	G	A few pieces of clouds in E hor.; dew falling.	
0	G	" " " "	
0	G	" " " "	
0	G	A few pieces of clouds in hor.; slight dew.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°6.
0	C	Clouds and dew as before.	
0	C	" "	
0	C	" "	
0	C	" "	7th April was the 12th day which was considered almost cloudless.
0	B	Cloudless; dew falling.	
1	B	Light ≈ along E hor.	
0	B	Mist in hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°6. At 6 A.M. the reading of W Bulb thermometer was 71°5 lowest during the month and about 1°9 lower than the Normal Mean; at 10 A.M. the temperature of dew-point was 64°8 lowest in the month and about 8°4 lower than the Normal Mean.
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	Mist around hor.	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	8th April was the 13th day which was considered almost cloudless.
0		Light haze in E hor.	
0		" "	
0		" "	
0		" "	
0		A few ≈ in E hor.	
0		" "	
0		Cloudless.	
0		"	
0		"	
0		A few pieces of ≈ scattered here and there.	
0		≈ scattered about hor.; dew falling.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 9th-Midnight	29.779	28.923	78°4	76°0	2°4	75°1	0.856	0.90	79°5	81°9	N	0.5		+	4		2.10
1 a. m.	.752	.918	77.2	75.1	2.1	74.3	.834	.91	79.2	81.8	„	0.1		+ +	8		3.50
2 „	.732	.883	77.6	75.6	2.0	74.8	.849	.92	78.9	81.6	N b W	0.2		+	2		Above 10m.
3 „	.720	.882	77.5	75.3	2.2	74.4	.838	.91	78.6	81.5	„	0.1					
4 „	.721	.905	76.4	74.4	2.0	73.6	.816	.91	77.9	81.4	„	0.1					
5 „	.731	.954	75.2	73.0	2.2	72.0	.777	.90	76.9	81.2	N b E	0.1					
6 „	.758	.966	75.5	73.5	2.0	72.7	.792	.91	76.5	81.0	NE b N	0.0					
7 „	.788	29.029	76.8	73.0	3.8	71.3	.759	.84	77.1	81.0	N b W	0.1					
8 „	.810	.036	79.8	74.3	5.5	71.9	.774	.78	78.6	81.1	N	0.1					
9 „	.816	28.991	83.7	76.7	7.0	73.9	.825	.74	80.8	81.3	N b W	0.2					
10 „	.806	.975	86.0	77.5	8.5	74.1	.831	.69	83.0	81.4	NNW	0.2		+	1		Above 10m.
11 „	.800	.968	87.0	78.0	9.0	74.5	.840	.67	84.0	81.7	„	0.6		+	2		2.19
Noon.	.773	.910	88.7	79.0	9.7	75.3	.863	.66	85.0	82.0	„	0.4					
1 p. m.	.755	.834	89.2	80.5	8.7	77.4	.921	.69	85.7	82.2	„	0.4	None.			None.	
2 „	.726	.837	90.6	80.1	10.5	76.3	.889	.64	87.0	82.4	„	0.3					
3 „	.709	.858	91.4	79.4	12.0	74.9	.851	.59	87.7	82.6	„	0.5					
4 „	.706	.954	91.7	77.1	14.6	71.0	.752	.53	88.2	82.9	„	0.6					
5 „	.704	.954	91.5	77.0	14.5	71.0	.750	.53	88.0	82.9	N b W	1.0					
6 „	.720	29.008	87.9	75.0	12.9	69.3	.712	.56	86.6	83.0	„	0.8					
7 „	.729	.029	86.2	74.2	12.0	68.8	.700	.57	85.0	83.1	NNW	0.5					
8 „	.751	.007	85.0	75.0	11.0	70.7	.744	.64	84.5	83.1	„	0.3					
9 „	.773	28.983	84.4	76.0	8.4	72.6	.790	.69	84.0	83.0	„	0.4					
10 „	.790	.952	82.8	76.8	6.0	74.4	.838	.77	82.7	82.9	„	1.3					
11 „	.784	.918	81.0	77.0	4.0	75.4	.866	.84	82.5	82.9	„	1.0					
Apr. 10th-Midnight	.771	.944	81.0	76.0	5.0	74.0	.827	.80	82.0	82.9	NNW	0.7					
1 a. m.	.771	.938	80.8	76.1	4.7	74.2	.833	.81	81.8	82.7	N b W	0.1					
2 „	.765	.927	80.0	76.0	4.0	74.4	.838	.84	81.0	82.6	N	0.1					
3 „	.766	.954	79.2	75.1	4.1	73.4	.812	.83	80.7	82.5	N b E	0.1					
4 „	.769	.986	78.0	74.0	4.0	72.3	.783	.83	79.9	82.4	„	0.0					
5 „	.780	29.011	77.6	73.5	4.1	71.7	.769	.83	78.9	82.2	„	0.0					
6 „	.807	28.985	78.6	75.2	3.4	73.8	.822	.86	79.6	82.0	„	0.0					
7 „	.832	.951	81.5	77.5	4.0	76.0	.881	.84	80.9	82.0	„	0.1					
8 „	.855	.981	83.9	78.0	5.9	75.7	.874	.77	82.3	82.2	NE	0.1					
9 „	.860	.973	84.8	78.5	6.3	76.2	.887	.76	83.0	82.4	SE	0.2					
10 „	.857	.968	86.4	79.0	7.4	76.3	.889	.73	83.9	82.5	SSW	0.3					
11 „	.851	.980	88.0	79.0	9.0	75.6	.871	.68	85.0	82.8	W	0.2					
Noon.	.826	.966	89.0	79.0	10.0	75.2	.860	.65	86.0	82.9	WSW	0.2	None.	+	1	None.	Above 10m.
1 p. m.	.812	.912	89.2	80.0	9.2	76.6	.900	.67	86.6	83.0	W	0.2					
2 „	.781	.915	89.2	79.2	10.0	75.4	.866	.65	86.8	83.1	NW b W	0.2					
3 „	.766	.941	89.5	78.3	11.2	73.9	.825	.62	86.9	83.2	„	0.2					
4 „	.762	.941	89.1	78.1	11.0	73.8	.821	.62	87.0	83.3	„	0.2					
5 „	.745	.916	88.0	78.0	10.0	74.1	.829	.65	86.0	83.5	„	0.4					
6 „	.754	.919	85.5	77.5	8.0	74.3	.835	.70	84.9	83.5	NW	0.3					
7 „	.754	.899	83.5	77.4	6.1	75.0	.855	.77	83.6	83.4	„	0.6					
8 „	.779	.946	82.6	76.6	6.0	74.2	.833	.77	82.8	83.4	„	0.8					
9 „	.812	.953	81.6	77.0	4.6	75.2	.859	.84	82.0	83.4	NNW	0.6					
10 „	.820	.993	81.0	76.0	5.0	74.0	.827	.80	81.2	83.1	„	0.7					
11 „	.813	.992	80.8	75.8	5.0	73.8	.821	.80	81.0	83.0	NW	1.0					
Apr. 11th-Midnight	.809	29.014	80.4	75.0	5.4	72.8	.795	.78	81.0	83.0	NNW	0.6					
1 a. m.	.797	.009	79.6	74.6	5.0	72.5	.788	.80	80.7	82.9	„	0.2					
2 „	.792	28.993	79.3	74.8	4.5	73.0	.799	.82	80.4	82.8	NW b N	0.2					
3 „	.782	.977	78.8	74.8	4.0	73.2	.805	.84	80.1	82.6	„	0.1					
4 „	.783	.995	77.5	74.0	3.5	72.5	.788	.85	79.4	82.5	„	0.0	None.	None.	None.	None.	None.
5 „	.802	29.008	77.0	74.0	3.0	72.8	.794	.87	78.5	82.4	„	0.0					
6 „	.834	.046	77.5	74.0	3.5	72.5	.788	.85	78.5	82.2	NW b W	0.0					
7 „	.847	.051	80.3	75.0	5.3	72.8	.796	.79	80.0	82.2	W	0.2					
8 „	.853	28.994	83.5	77.5	6.0	75.2	.859	.77	82.0	82.3	SSW	0.2					
9 „	.850	29.030	85.2	77.0	8.2	73.7	.820	.69	83.0	82.4	„	0.2					
10 „	.849	.010	85.6	77.6	8.0	74.4	.839	.70	83.2	82.6	W	0.2					
11 „	.833	.004	86.5	77.6	8.9	74.1	.829	.68	83.7	82.7	NW	0.5					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	
1	G	≀≀ scattered along E hor.; slight dew.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°8.
0	C	A few pieces of ≀≀ in E hor.; dew falling.	
1	C	≀≀ scattered along E hor.; dew falling.	
3	C	≀≀ scattered about hor.; dew falling.	
0	C	A few ≀≀ above SE hor.; dew falling.	
1	B	Light ⌣ along E hor.; dew falling.	
1	B	⌣ along E hor.; mist around hor.	
0	B	Mist in hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	Light haze in NE and E hor.	
0	C	" " "	
0	C	" " "	
0	C	" " "	
0	B	" " "	
0	B	" " "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 83°9.
0	C	" "	
0	C	" "	
0	C	A few pieces of clouds above NW hor.; dew falling.	10th April was the 11th day on which lightning was seen after sunset, and wind blew abnormally.
0	C	" " " "	
1	B	≀ scattered along W hor.; dew falling.	
1	B	≀ scattered about, mist in hor.	
4	B	≀ scattered about moving E; mist in hor.	
2	B	≀ and mist along W hor.	
2	G	" "	
1	G	" "	
0	G	≀ around hor; mist along E hor.	
0	G	Cloudless.	
0	C	"	
1	C	∩≀ scattered along E hor.	
1	C	" "	
1	C	" "	
0	B	∩≀ and haze along E hor.	
0	B	" "	
0	B	A few clouds in E hor.	
0	B	" " "	
0	G	A few clouds in E hor.; lightning in E hor. at intervals of 1½m.	
0	G	A few clouds in E hor.; lightning in E hor. at intervals of 42s.	
0	G	A few clouds in E hor.; lightning in E hor. at intervals of 1m.	
0	G	A few clouds in E hor.; lightning in E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 84°2 and 83°9.
0	C	Cloudless.	
0	C	"	
0	C	"	11th April was the 12th day on which lightning was seen after sunset.
0	C	Cloudless and dew falling.	
0	B	" "	
0	B	Mist and fog in hor.	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	Mist in hor.	
0	G	Cloudless.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 11th-Noon.	29.801	28.970	87°8	78°0	9°8	74°1	0.831	0.65	84°8	82°9	WNW	0.4					
1 p. m.	.768	.941	88.3	77.3	11.0	74.0	.827	.61	85.7	83.0	„	0.2			•		
2 „	.745	.988	88.8	76.4	12.4	71.3	.757	.57	86.1	83.1	„	0.4					
3 „	.731	.973	88.0	76.2	11.8	71.3	.758	.59	86.1	83.2	„	0.3					
4 „	.723	29.006	88.2	75.2	13.0	69.6	.717	.55	86.0	83.3	NW b W	0.5					
5 „	.714	28.992	87.0	75.0	12.0	69.8	.722	.58	85.0	83.4	WNW	0.3	None.	None.	None.	None.	None.
6 „	.728	.945	83.8	76.8	7.0	72.3	.783	.73	84.1	83.5	„	0.3					
7 „	.746	.922	82.0	76.2	5.8	73.7	.824	.77	84.0	83.6	„	0.2					
8 „	.757	.924	80.8	76.1	4.7	74.2	.833	.81	83.2	83.6	„	0.4					
9 „	.762	.924	80.0	76.0	4.0	74.4	.838	.84	83.0	83.5	NW b W	0.2					
10 „	.767	.929	80.0	76.0	4.0	74.4	.838	.84	82.9	83.4	„	0.2					
11 „	.766	.928	80.0	76.0	4.0	74.4	.838	.84	82.8	83.3	„	0.5					
Apr. 13th-Midnight	.748	.910	80.0	76.0	4.0	74.4	.838	.84	81.0	83.0	W b S	0.4		+	1		Above 10m.
1 a. m.	.736	.894	79.6	76.0	3.6	74.6	.842	.85	80.8	82.9	„	0.1					
2 „	.724	.888	79.4	75.8	3.6	74.3	.836	.85	80.5	82.8	„	0·1					
3 „	.719	.899	78.5	75.1	3.4	73.7	.820	.86	80.3	82.7	„	0.9					
4 „	.721	.933	77.5	74.0	3.5	72.5	.788	.85	80.1	82.5	„	0.1					
5 „	.727	.955	77.3	73.5	3.8	71.8	.772	.84	78.6	82.4	„	0.0					
6 „	.749	.979	76.8	73.3	3.5	71.8	.770	.85	78.0	82.2	„	0.0					
7 „	.766	.925	79.7	76.0	3.7	74.5	.841	.85	79.9	82.2	„	0.2					
8 „	.785	.978	82.8	76.0	6·8	73.2	.807	.74	82.0	82.2	SE b E	0.2					
9 „	.792	.959	84.0	77.0	7.0	74.2	.833	.73	83.3	82.3	„	0.2					
10 „	.785	.980	85.8	76·8	9.0	73.2	.805	.67	84.2	82.6	ESE	0·1					
11 „	.777	.974	86.7	77.0	9.7	73.1	.803	.65	84.7	82.7	SE b S	0.2	None.			None.	
Noon.	.755	.949	87.4	77.0	10.4	73.2	.806	.63	84.9	82.8	SW	0.4					
1 p. m.	.730	.941	88.0	77.0	11.0	72.6	.789	.61	85.2	83.0	WSW	0.2					
2 „	.706	.905	88.4	77.4	11.0	73.0	.801	.61	85.6	83.1	„	0.3					
3 „	.703	.898	88.7	77.6	11.1	73.2	.805	.62	86.0	83.2	„	1.3					
4 „	.696	.867	88.0	78.0	10.0	74.1	.829	.65	86·0	83.3	W b S	0.3					
5 „	.688	.857	86.3	77.6	8.7	74.1	.831	.68	85.2	83.4	W b N	0.2					
6 „	.708	.905	83.2	76.0	7.2	73.1	.803	.73	83.0	83.3	„	0.2					
7 „	.721	.939	81.5	75.0	6.5	72.2	.782	.75	82.0	83.1	W	0.1					
8 „	.731	.944	81.1	75.0	6.1	72.5	.787	.76	81.6	83.1	W b S	0.0					
9 „	.737	.908	80.8	76.0	4.8	74.1	.829	.81	81.5	83.0	SW b W	0·0		+	1		Above 10m.
10 „	.741	.902	80·8	75.8	5.0	74.4	.839	.80	81.0	83.0	SSW	0.0		+ +	3		2·11
11 „	.739	.940	80.0	75.0	5.0	73.0	.799	.80	80.7	83.0	„	0.0		+	1		Above 10m.
Apr. 14th-Midnight	.728	.926	79.7	75.0	4·7	73.0	.802	.81	80.0	82.8	SSW	0.3		+	1.		Above 10m.
1 a. m	.722	.950	79.0	74.0	5.0	71.8	.772	.80	80.0	82.7	SW b S	0.0					
2 „	.707	.934	79.0	74.0	5.0	71.8	.772	.80	79.9	82.6	S	0.1					
3 „	.701	.941	78.8	73.6	5·2	71.4	.760	.79	79.8	82.5	SW b S	0.1					
4 „	.703	.955	78.5	73.2	5.3	70.8	.748	.79	79.7	82.5	SSW	0·1					
5 „	.706	.947	78.5	73.5	5.0	71.3	.759	.80	79.5	82.4	ESE	0.5					
6 „	.738	.961	78.5	74.0	4.5	72.0	.777	.82	79.3	82.2	„	0.5					
7 „	.756	.951	80.2	75.2	5.0	73.2	.805	.80	80.2	82.1	„	0.4					
8 „	.777	29.011	83.0	75·0	8.0	71·6	.766	.70	82.0	82.2	„	0.4					
9 „	.786	·023	85.0	75.5	9.5	71.5	.763	.65	83.0	82.4	„	0.3					
10 „	.787	·015	86.0	76.0	10.0	71.3	.772	.64	83.7	82.6	SW	0.2	None.			None.	
11 „	·770	·006	86.7	76.0	10.7	71.5	.764	.62	84.0	82.7	WSW	0.2					
Noon.	.751	28.979	87.4	76.4	11.0	71.8	.772	.61	84.8	82.8	W b S	0.1					
1 p. m.	.726	.937	88.0	77.0	11.0	72.6	.789	.61	85.4	82.9	„	0.3					
2 „	.712	.901	89.6	78.0	11.6	73.4	.811	.60	86.0	83.1	SW	0.4					
3 „	.699	.884	89.6	78.1	11.5	73.5	.815	.61	86.6	83.3	SW b W	0.3					
4 „	.697	.863	89.5	78.5	11.0	74.3	.834	.62	86.8	83.4	„	0.4					
5 „	.703	.903	87.0	77.0	10.0	73.0	.800	.64	85.6	83.4	„	0.3					
6 „	.718	.920	83.6	76.0	7.6	72.9	.798	.71	83.6	83.3	„	0.3					
7 „	.733	.937	82.0	75.5	6.5	72.8	.796	.75	82.2	83.2	SW b S	0.3					
8 „	.744	.937	81.0	75.5	5.5	73.2	.807	.78	81.6	83.2	SSW	0.2					
9 „	.773	.944	80.8	76.0	4.8	74.1	.829	.81	81.0	83.2	„	0.3					
10 „	.775	.944	80.6	76.0	4.6	74.1	.831	.81	80.8	83.1	„	·0.2					
11 „	.765	.966	80.2	75.2	5.0	73.2	.805	.80	80.8	83.0	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ∿≀ nimbi.	Remarks.
0	G	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	G	∿ scattered above S and SW hor.	
0	G	" " "	
0	G	A few ∿ around hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
2	G	∿≀ scattered around hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 84°0.
4	C	∿≀ scattered about moving E.	
4	C	" "	
4	C	" "	
3	C	" "	13th April was the 12th day on which wind blew abnormally.
2	B	∿≀ scattered about hor.; dew falling.	
2	B	" " "	
5	B	∿≀ scattered about moving NNE; mist in hor.	
3	B	∿≀ scattered about hor.; mist in hor.	
4	G	∿≀ scattered about moving NE; mist in hor.	
2	G	∿≀ scattered about hor.	
0	G	A few pieces of clouds in hor.	
1	G	∿≀ scattered about S and SW hor.	
1	C	" " "	
2	C	∿≀ scattered from SW to NW hor.	
2	C	∿≀ scattered along W hor.	
4	C	∿≀ scattered about moving E.	
2	B	∿≀ scattered about hor.	
2	B	" "	
3	B	∿≀ scattered about hor. moving E.	
3	B	" " "	
4	G	∿≀ scattered about moving E.	
4	G	" "	
6	G	" "	
6	G	∿≀ scattered about moving NNE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°1.
6	C	" "	
6	C	" "	
7	C	" "	14th April was the 13th day on which wind blew abnormally.
7	C	∿≀ scattered about moving NE.	
7	B	" "	
7	B	∿≀ scattered about moving ENE.	
4	B	∿≀ scattered about moving ENE; mist around hor.	
1	B	∿≀ scattered around hor.; mist in hor.	
1	G	" " "	
0	G	A few pieces of clouds in hor.	
0	G	Cloudless.	
0	G	"	
0	C	"	
0	C	A few pieces of clouds above SE hor.	
0	C	∿≀ scattered along W hor.	
0	C	∿≀ scattered around hor.	
0	B	∿≀ scattered about hor. moving E.	
0	B	∿≀ scattered about moving NE.	
0	B	" " "	
0	B	∿≀ scattered about hor. moving NE.	
0	G	" " "	
0	G	" " "	
0	G	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Apr. 15th-Midnight	29.757	28.958	80°0	75°0	5°0	73°0	0.799	0.80	80°5	82°9	SSW	0.2					
1 a. m.	.743	.949	79.8	74.8	5.0	72.8	.794	.80	80.5	82.8	„	0.1					
2 „	.728	.943	79.6	74·5	5.1	72.4	.785	.79	80.4	82.7	S b W	0.1					
3 „	.725	.965	78.8	73.6	5.2	71.4	.760	.79	80.2	82.6	„	0.0					
4 „	·730	.953	78.5	74.0	4.5	72.0	.777	.82	79.8	82.5	„	0.0					
5 „	.741	.991	77.6	73.0	4.6	71.0	.750	.81	79.0	82.4	SSW	0.0					
6 „	.755	.940	78.5	75.0	3.5	73.5	.815	.86	79.2	82.2	SE b S	0.2					
7 „	.776	.966	80.4	75.4	5.0	73.3	.810	.80	80.3	82.2	SE b E	0.4					
8 „	.795	29·021	82.3	75.0	7.3	71·9	.774	.72	81.5	82.3	ESE	0.3					
9 „	.803	.009	85.4	76.4	9·0	72.8	.794	.67	82.9	82.4	„	0.2					
10 „	.802	.008	85.8	76.5	9.3	72.8	.794	.66	83.0	82.6	„	0.1	None.				
11 „	.789	.000	88.0	77.0	11.0	72.6	.789	.61	84.0	82.9	„	0·3					
Noon.	.775	28.963	88.4	77·7	10.7	73.4	.812	.62	84.9	83.0	W b N	0.2					
1 p. m.	.744	.926	89.0	78.0	11.0	73.6	.818	.62	85.7	83.2	W	0.2		+	2		1.16
2 „	.720	.892	88.8	78.2	10.6	74.0	.828	.63	86.2	83.3	„	0.4		+	4		1.50
3 „	.704	·882	88.6	78.0	10.6	73.8	.822	.63	86.4	83.5	WNW	0.7		+	6		2.05
4 „	.697	.852	87.7	78·3	9.4	74.7	.845	.67	86.3	83.6	„	0.7		+	6		2·30
5 „	.688	.837	86.0	78.0	8.0	74.9	.851	.70	85.5	83.5	„	0.6		+	8		1.29
6 „	.706	.822	83.0	78.0	5.0	76.1	.884	.80	83.0	83.3	„	0.6		+	8		1·00
7 „	.716	.835	81.5	77.5	4.0	76.0	.881	.84	82.1	83.3	NW	0·6		+	10	8	0.54
8 „	.731	.831	81.5	78.0	3.5	76.6	.900	.86	82.0	83.3	„	0.4		+	6		1.15
9 „	.736	.832	81.2	78.0	3.2	76.8	904	.87	81.9	83.2	NW b N	0.5		+	4		1.20
10 „	.743	.876	80.9	77.0	3.9	75.5	.867	.84	81.0	83.2	NNW	0.5		+	1		Above 10m.
11 „	.737	.860	80.0	77.0	3.0	75.8	.877	.88	80.9	83.2	„	0.4		+	2		2.00
Apr. 16th-Midnight	.723	.882	79.7	76.0	3.7	74.5	.841	.85	80.5	83.1	NNW	0.2					
1 a. m.	.715	.831	79·4	77.0	2.4	76.1	.884	.90	80.4	83.0	„	0.1					
2 „	.703	.832	78.4	76.4	2.0	75.6	.871	.92	80.0	82·9	„	0.1					
3 „	.696	.821	78.0	76.4	1·6	75.8	.875	.93	79.5	82.7	„	0.1					
4 „	.696	.818	77.8	76.4	1.4	75.9	.878	.94	79.2	82.5	N b W	0.0					
5 „	.698	.873	77.6	75.0	2.6	73.9	.825	.89	79.0	82.5	„	0.0					
6 „	.726	.888	77.2	75.2	2.0	74.4	.838	.91	78.5	82.3	„	0.1					
7 „	.752	.905	79.2	76.0	3.2	74.7	.847	.87	79.0	82.2	„	0.2					
8 „	.773	.961	82.4	76.0	6.4	73.4	.812	.75	81.5	82.3	N	0.2					
9 „	.781	.985	84·8	76.3	8.5	72 8	.796	.68	82.9	82.5	NE b N	0.3		+	4		1.09
10 „	.780	.978	86.8	77.0	9.8	73.0	.802	.65	84.1	82.8	NE	0.2	None.	+	6	None.	0.36
11 „	.777	.972	88.4	77.5	10.9	73.2	.805	.62	85.0	83.0	NE b E	0.2		+	4		1.29
Noon.	.756	.938	89.0	78.0	11.0	73 6	.818	.62	86.0	83.1	W	0.3		+	8		0.22
1 p. m.	.727	.890	89.6	78.6	11.0	74.4	.837	.62	86·5	83.3	W b N	0.4		+	6		4.45
2 „	.693	.841	89.0	78.8	10.2	74.9	.852	.64	86.6	83.5	NW b W	0.8		+	3		3.05
3 „	.688	.842	89.5	78.8	10.7	74.7	.846	.63	86.8	83.6	WNW	1.0		+	2		5 40
4 „	.689	.851	88.3	78.3	10.0	74.4	.838	.65	86.8	83.7	„	1.1		+	1		Above 10m.
5 „	.687	.867	87·0	77.5	9.5	73.7	.820	.65	85 5	83.6	„	0.8					
6 „	.698	·959	83.8	74·5	9.3	70.5	.739	.66	83.6	83.6	NW	0.8					
7 „	.702	.974	83.0	74.0	9.0	70.0	.728	.66	82.7	83.6	„	0.8					
8 „	.719	.948	82.5	75.0	7.5	71.8	.771	.71	82 5	83 5	„	1.3					
9 „	.732	.955	82.0	75.0	7.0	72.0	.777	.73	82.0	83.5	„	1.4					
10 „	.739	.957	81.5	75.0	6.5	72.2	.782	·75	81.7	83.5	„	1.2					
11 „	.738	.950	81.0	75.0	6.0	72.5	.788	.76	81.5	83.4	„	1.0					
Apr. 17th-Midnight	.731	.926	80.2	75.2	5.0	73.2	.805	.80	81.0	83.4	NNW	0.7					
1 a. m.	.708	.892	79.5	75.3	4.2	73.6	.816	.83	80·6	83.2	„	0.8					
2 „	.698	.888	79.0	75.0	4.0	73.3	.810	·84	80.3	83.1	N b W	0.2					
3 „	.680	.875	77.8	74.5	3.3	73·2	.805	.86	79.6	82.9	N b E	0.2					
4 „	.684	.885	77.2	74 2	3.0	73.0	.799	.87	78.7	82.7	„	0.1					
5 „	.701	.907	77.0	74.0	3.0	72.8	.794	.87	78.2	82.6	NNE	0.0	None.			None.	
6 „	.730	.953	76.9	73.5	3.4	72.0	.777	.86	78.0	82.4	„	0.0					
7 „	.744	.955	79 2	74.5	4·7	72·6	.789	.81	79.2	82.2	„	0.1					
8 „	.764	.986	81 9	75.0	6.9	72.1	.778	.73	80.9	82.3	N b W	0.2		+	8		1·20
9 „	.767	.971	83.8	76.0	7.8	72.8	.796	.71	82.7	82.5	NNW	0.2		+	6		1.09
10 „	.758	.960	85 0	76.4	8.6	72.9	.798	.68	83.0	82.5	NW b N	0.3		+	1		Above 10m.
11 „	.742	.913	86·5	77.6	8.9	74.1	.829	.68	83.2	82.6	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ∩ cumuli; ≈ cirro-strati; ∩ cumulo-strati; and ≈ nimbi.	
6	G	≈ scattered throughout moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°2.
7	C	" " "	
7	C	" " "	
6	C	≈ scattered throughout moving NNE.	15th April was the 14th day on which wind blew abnormally.
5	C	" " "	
3	B	≈ scattered about moving NE.	
3	B	" "	
3	B	≈ scattered about, mist and fog in hor.	
2	B	" " "	
2	G	" " "	
0	G	A few pieces of ≈ in SE hor.; haze along E hor.	
0	G	" " " "	
0	G	" " " "	
0	C	Haze along E hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	A few pieces of ≈ above SE hor.	
0	B	A few pieces of ≈ around hor.	
3	B	≈ scattered about hor. moving SE.	
3	G	" " "	
3	G	≈ scattered about hor.; dew falling.	
3	G	" " "	
1	G	≈ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°2.
2	C	" " "	
2	C	" " "	
2	C	" " "	16th April was the 15th day on which wind blew abnormally.
2	C	" " "	
1	B	≈ scattered around hor.; dew falling.	
0	B	A few pieces of ≈ and mist in hor.	
0	B	" " "	
0	B	Mist and fog in hor.	
0	G	" "	
0	G	" "	
0	G	Haze along E hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	Cloudless; fresh breezes of wind from NW.	
0	G	" " "	
0	G	" " "	
0	G	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°3.
0	C	"	
0	C	A few pieces of clouds above S hor.	
0	C	A few pieces of clouds above SW and W hor.; dew falling.	17th April was the 13th day on which lightning was seen after sunset.
3	C	≈ scattered about; dew falling.	
7	B	≈ scattered throughout moving S.	
6	B	≈ around hor. and ≈ scattered throughout.	
3	B	≈ and ≈ scattered about hor.; mist and fog in hor.	
0	B	A few ≈ around hor.; mist and fog in hor.	
0	G	" " "	
0	G	A few ≈ here and there observed; mist in hor.	
0	G	Cloudless.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 17th-Noon.	29.712	28.887	87°1	77°6	9°5	73°9	0.825	0.66	84°0	82°8	NW b N	0.5					
1 p. m.	.684	.869	87.5	77.5	10.0	73.5	.815	.65	84.8	82.9	N W b W	0.7					
2 „	.657	.815	87.6	78.2	9.4	74.6	.842	.67	85.2	83.1	„	0.6					
3 „	.634	.794	87.0	78.0	9.0	74.5	.840	.67	85.2	83.2	„	0.9					
4 „	.628	.779	86.2	78.0	8.2	74.8	.849	.70	84.8	83.3	„	0.8					
5 „	.626	.780	84.7	77.5	7.2	74.7	.846	.73	83.6	83.2	NW	0.6					
6 „	.638	.800	81.8	76.5	5.3	74.4	.838	.79	82.0	83.1	„	0.6					
7 „	.644	.813	80.6	76.0	4.6	74.1	.831	.82	81.2	83.1	NW b N	0.6	None.	None.	None.	None.	None.
8 „	.655	.820	80.3	76.0	4.3	74.3	.835	.83	80.9	83.1	„	0.3					
9 „	.671	.866	80.2	75.2	5.0	73.2	.805	.80	80.8	83.2	„	0.2					
10 „	.675	.837	80.0	76.0	4.0	74.4	.838	.84	80.5	83.1	NNW	0.2					
11 „	.664	.822	79.6	76.0	3.6	74.6	.842	.85	80.5	83.0	N b W	0.3					
Apr. 18th-Midnight	.650	.783	80.0	77.0	3.0	75.8	.877	.88	80.4	82.9	NNW	0.2					
1 a. m.	.641	.778	79.5	76.5	3.0	75.3	.863	.88	80.3	82.8	NW b N	0.2					
2 „	.641	.779	79.2	76.4	2.8	75.3	.862	.88	80.2	82.7	„	0.0					
3 „	.641	.768	79.3	76.7	2.6	75.7	.873	.89	80.1	82.6	„	0.1					
4 „	.641	.768	79.0	76.6	2.4	75.7	.873	.90	80.0	82.5	NNW	0.3					
5 „	.648	.799	79.0	76.0	3.0	74.8	.849	.88	80.0	82.3	NW	0.3					
6 „	.682	.833	79.0	76.0	3.0	74.8	.849	.88	80.0	82.3	„	0.1					
7 „	.698	.854	80.2	76.2	4.0	74.6	.844	.84	80.2	82.4	„	0.2					
8 „	.711	.827	83.0	78.0	5.0	76.1	.884	.80	82.0	82.5	N	0.1					
9 „	.720	.862	85.4	78.0	7.4	75.1	.858	.72	83.2	82.6	„	0.1					
10 „	.719	.879	87.0	78.0	9.0	74.5	.840	.67	84.0	82.8	NE b N	0.2	None.	None.	None.	None.	None.
11 „	.711	.982	87.8	75.4	12.4	70.1	.729	.57	84.8	82.9	NW	0.2					
Noon.	.699	.893	89.0	77.7	11.3	73.2	.806	.61	85.4	83.1	W	0.3					
1 p. m.	.673	.803	89.3	79.3	10.0	75.6	.870	.65	86.0	83.3	„	0.2					
2 „	.655	.816	89.4	78.6	10.8	74.4	.839	.62	86.3	83.4	W b N	0 6					
3 „	.627	.774	89.6	79.0	10.6	75.0	.853	.63	86.6	83.5	„	0·7					
4 „	.618	.758	89.0	79.0	10.0	75.2	.860	.65	86.4	83.6	„	0.5					
5 „	.620	.723	87.6	79.5	8.1	76.5	.897	.68	85.5	83.6	WNW	0.3					
6 „	.628	.722	84.8	79.0	5.8	76.8	.906	.78	84·3	83.5	„	0.2					
7 „	.639	.736	83.2	78.5	4.7	76.7	.903	.82	83.0	83.5	W b N	0.2					
8 „	.652	.763	82.5	78.0	4.5	76 3	.889	.82	82.8	83.5	„	0.0					
9 „	.681	.786	82.0	78.0	4.0	76·5	.895	.84	82.5	83.5	SW b S	0.0					
10 „	.687	.792	82·0	78.0	4·0	76.5	.895	.84	82.5	83.4	S	0.5					
11 „	.680	.781	81.6	78.0	3.6	76.6	.899	.86	82.1	83.4	„	0.6					
Apr. 20th-Midnight	.687	.963	80.0	73.0	7.0	69.9	.724	.72	80.5	83.4	WNW	0.2					
1 a. m.	.679	.907	79.0	74 0	5·0	71.8	.772	.80	80.4	83.4	„	0.0					
2 „	.670	.854	79.2	75.2	4.0	73.6	.816	.84	80.2	83.3	„	0.1					
3 „	.662	.842	78.8	75.2	3·6	73.7	.820	.85	80.0	83.2	SW b W	0.1					
4 „	.663	.842	78.0	75.0	3.0	73.8	.821	.87	79.6	83.1	„	0.1					
5 „	.667	.884	78.0	74.0	4.0	72.3	.783	.83	79.0	83.0	„	0.0					
6 „	.697	.874	77.8	75.0	2.8	73.8	.823	.88	79.0	82.8	„	0.0					
7 „	.734	.892	80.4	76 2	4.2	74.6	.842	.83	80·3	82.7	SSW	0.1					
8 „	.762	.895	84.5	78.0	6.5	75 5	.867	.75	83.0	82.8	SE b S	0.3					
9 „	.761	.899	85 0	78.0	7.0	75.3	.862	.74	83.5	83.0	S b E	0.4					
10 „	.760	.897	86.4	78.4	8.0	75.3	.863	.70	84.3	83.2	S b W	0.5					
11 „	.751	.865	88.0	79.5	8.5	76.1	.886	.69	85.0	83.4	SSW	0.6					
Noon.	.732	.876	89.4	79.0	10.4	75.1	.856	.64	85.9	83.6	WSW	0.6	None.	None.	None.	None.	None.
1 p. m.	.707	.853	90.3	79.2	11.1	75.0	.854	.62	86.5	83.8	„	0.4					
2 „	.667	.792	89.6	79.5	10.1	75.8	.875	.65	86.7	83.9	„	0.3					
3 „	.649	.760	89.4	79.8	9.6	76·3	.889	.66	87.0	84.0	„	0.4					
4 „	.648	.722	88.8	80.5	8.3	77.5	.926	.70	87.0	84.1	W	0.4					
5 „	.662	.778	86.8	79.0	7.8	76.1	.884	.71	86.0	84.1	WNW	0.2					
6 „	.668	.797	84.2	78.0	6.2	75.6	.871	.76	84.0	84 0	W	0.2					
7 „	.679	.795	83.0	78.0	5 0	76.1	.884	.80	83.3	84 0	WSW	0.1					
8 „	.703	.815	82.6	78.0	4.6	76.2	.888	.82	83.0	84.0	„	0.0					
9 „	.711	.816	82.0	78.0	4·0	76.5	.895	.84	82.4	84.0	S b E	0.0					
10 „	.718	.837	81.5	77·5	4.0	76.0	.881	.84	82.0	84.0	„	0.1					
11 „	.708	.804	81.2	78.0	3.2	76·8	.904	.87	81.9	83.9	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
0	G	Cloudless.	
0	C	"	
0	C	A few pieces of clouds in E hor.	
0	C	" " "	
0	C	" " "	
0	B	Mist around hor.	
0	B	A few clouds along E hor.	
1	B	scattered along E hor.	
0	B	Cloudless; lightning in E hor. at intervals of 1 or 2 seconds.	
0	G	Cloudless; lightning in E hor. at intervals of 48s.	
0	G	Cloudless; lightning in E hor. at intervals of 1m.; dew falling.	
0	G	Cloudless; lightning in NE and E hor. at intervals of 1½m.; dew falling.	
0	G	Cloudless; lightning in NE and E hor. at intervals of 49s.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°4.
0	C	Cloudless; lightning in NE hor. at intervals of more than 5m.; dew falling.	
0	C	Cloudless; dew falling.	
1	C	scattered about S, SW and W hor.; dew falling.	18th April was the 14th day on which lightning was seen after sunset.
0	C	A few pieces of above N hor.; dew falling.	
7	B	and scattered about, the latter moving SE; dew falling.	
7	B	and scattered about, the latter moving SE.	
5	B	around hor.; scattered about; mist and fog in hor.	
4	B	" " " "	
5	G	and scattered about, the latter moving SSE; mist in hor.	
5	G	" " " "	
6	G	scattered about the sky.	
4	G	" "	
4	C	" "	
4	C	and scattered about hor.	
4	C	" "	
3	C	" "	
2	B	scattered about; along E hor.	
1	B	along E hor.; scattered about hor.	
1	B	along E hor.; scattered about hor.; lightning in E hor. after 7h. 25m.	
1	B	along E hor.; lightning in E hor. at intervals of 45s.	
0	B	A few clouds along the E hor.; lightning in E hor. at intervals of 1½m.	
1	B	and around hor.; lightning in E hor at intervals of 2m.	
1	B	" " " "	
2	G	scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°4.
3	C	scattered about moving E; dew falling.	
3	C	" " "	
0	C	A few pieces of clouds scattered here and there; dew falling.	20th April was the 15th day on which lightning was seen after sunset and the 16th day on which wind blew abnormally.
0	C	" " " "	
4	B	scattered about moving N.	
4	B	" "	
6	B	" "	
4	B	" "	
2	G	scattered about hor.; mist in hor.	
1	G	" "	
0	G	A few in hor.	
0	G	" "	
1	C	along E hor.	
1	C	and haze along E hor.	
2	C	along E and scattered along the W hor.	
2	C	along E hor.; above N hor.; above N, NE and E hor.	
3	B	along E hor.; scattered about moving SE.	
1	B	along E hor.; scattered around hor.	
1	B	along E hor.; scattered around hor.; lightning in E and ENE at intervals of 1m.	
4	B	along E hor.; scattered about moving E; lightning in E and ENE hor. at intervals of 40s.	
1	G	scattered about hor.; lightning in NE and E hor. at intervals of 37s.	
1	G	Clouded as before; lightning in NE and E hor. at intervals of 1½m.	
0	G	A few pieces of clouds around hor.; lightning in E hor. at intervals of 2m. 9s.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 21st-Midnight	29.687	28.783	81°2	78°0	3°2	76°8	0·904	0·87	81°5	83°8	S	0.0					
1 a. m.	.674	.768	81·0	78.0	3.0	76.8	.906	.88	81.3	83.7	WSW	0.2					
2 „	.661	.772	80.4	77.4	3.0	76.3	.889	.88	81.1	83.6	„	0.1					
3 „	.650	.739	80.5	78.0	2.5	77.0	.911	.90	80.9	83.5	W b N	0.2					
4 „	.660	.725	80.7	78.6	2.1	77.8	.935	.91	80.9	83.4	NW b N	0.3					
5 „	.675	.758	80.0	78.0	2.0	77.2	.917	.92	80.9	83.4	„	0.0					
6 „	.711	.794	80.0	78.0	2.0	77.2	.917	.92	80.9	83.2	„	0.1					
7 „	.738	.800	83.4	79.4	4.0	77.9	.938	.84	83.0	83.3	N b E	0.1					
8 „	.749	.824	85.0	79.5	5.5	77.5	.925	.79	84.0	83.4	NNE	0.1					
9 „	.754	.827	86.8	80.0	6.8	77.6	.927	.77	84.4	83.6	„	0.2					
10 „	.752	.812	87.5	80.5	7.0	78.0	.940	.74	85·0	83.8	WNW	0.1	None.	None.	None.	None.	None.
11 „	.736	.780	88.0	81.0	7.0	78.5	.956	.74	85.9	84.0	„	0.4					
Noon.	.713	.746	89.4	81.6	7.8	78 9	.967	.72	86.2	84.2	NW b W	0.5					
1 p. m.	.682	.714	89.7	81.7	8.0	78.9	.968	.71	86.7	84.3	NW	0.4					
2 „	.637	.681	90.0	81.5	8.5	78 5	.956	.70	87.2	84.4	NW b W	0.6					
3 „	.617	.666	90.5	81.5	9.0	78.4	.951	.69	87.5	84.5	„	0.5					
4 „	.604	.689	91.8	81.0	10.8	77.2	.915	.64	88.2	84.6	SW	0.3					
5 „	.614	.748	90.4	79.5	10.9	75.4	.866	.62	88.0	84.7	SW b S	0.3					
6 „	.631	.802	88·0	78.0	10.0	74.1	.829	.65	86.6	84.7	W	0.2					
7 „	.656	.761	85.8	79.0	6.8	76.5	.895	.75	85.2	84.7	NW b W	0.4					
8 „	.682	.778	85.0	79.0	6.0	76.8	.904	.77	85.0	84.7	W b S	0.3					
9 „	.725	.810	84.0	79.0	5.0	77.2	.915	.81	84.8	84.7	S b W	0.1					
10 „	.722	.819	83.2	78.5	4.7	76.7	.903	.82	84.2	84.7	„	0.1					
11 „	.715	.831	83.0	78.0	5.0	76.1	.884	.80	84.0	84.7	„	0.0					
Apr. 22nd-Midnight	.708	.824	83.0	78.0	5.0	76.1	.884	.80	83.9	84.6	SSW	0.0					
1 a. m.	.685	.782	82.8	78.4	4.4	76·7	.903	.83	83.7	84.5	WSW	0.2					
2 „	.674	.779	82.7	78.2	4.5	76.5	·895	.82	83.3	84.4	WNW	0.1					
3 „	.667	.776	82.4	78 0	4.4	76.3	.891	.83	83·2	84.4	„	0.2					
4 „	.657	.765	82.3	78·0	4.3	76.4	.892	.83	82.9	84.3	N	0.2	+	1			2.05
5 „	.679	.863	82.0	76.0	6.0	73.6	.816	.77	82.7	84.1	„	0.2					
6 „	.719	.917	81.9	75.6	6.3	73.0	.802	.75	82.4	84.0	NE	0.0					
7 „	.732	.938	84.0	76.0	8.0	72.8	.794	.70	83.2	84.0	„	0.0					
8 „	.747	.940	86.4	77.0	9.4	73.2	.807	.66	84.4	84·1	„	0.2					
9 „	.758	.980	89.0	77.0	12.0	72.1	·778	.59	86.0	84.2	NW b N	0.1					
10 „	.751	.923	89.2	78.3	10.9	74.0	.828	.62	86.3	84.3	„	0.1					
11 „	.744	.921	90.5	78.5	12.0	73.8	.823	.59	87.1	84.5	NW	0.2	None.			None.	
Noon.	.718	.858	91.7	79.7	12.0	75.2	.860	.60	87.9	84.6	WNW	0.3					
1 p. m.	.686	.859	92.0	79.0	13.0	74.0	.827	5.7	88.7	84.8	W b N	0.6					
2 „	.661	.813	92.0	79.5	12.5	74.8	.848	.58	88.9	84.9	WNW	0.8					
3 „	.637	.743	91.8	80.5	11.3	76.4	.894	.62	89.0	85.0	„	0.7					
4 „	.610	.686	91.0	81.0	10.0	77.5	.924	.66	88.7	85.1	W b N	0.6					
5 „	.628	.742	89.5	80.0	9.5	76.1	.886	.67	87.5	85.2	NW	0 5					
6 „	.637	.709	86.6	80.0	6.6	77.6	.928	.76	86.1	85.2	„	0.4					
7 „	.639	.729	85.2	79.2	6.0	77.0	.910	.77	85.2	85.1	WNW	0.4					
8 „	.655	.722	84.3	79.5	4.8	77.8	.933	.81	84.6	85.1	„	0·4					
9 „	.677	.720	84.0	80.0	4.0	78.6	.957	·84	84.0	85.0	„	0.0					
10 „	.677	.739	83.4	79.4	4.0	77.9	.938	.84	84.0	85.0	„	0.1					
11 „	.679	.711	83.0	80.0	3.0	78.9	.968	.88	84.0	85.0	NW b W	0.1					
Apr. 23rd-Midnight	.675	.706	82.9	80.0	2.9	79.0	.969	.88	83.9	84.9	NW b W	0.0					
1 a. m.	.667	.708	82.7	79.7	3.0	78.6	.959	·88	83·7	84.8	„	0.1					
2 „	.667	.714	82.5	79.5	3.0	78.4	.953	.88	83.6	84.7	„	0.1					
3 „	.668	.731	82.0	79.0	3.0	77.9	.937	.88	83.0	84·7	„	0.0					
4 „	.684	.754	82.6	79.0	3.6	77.7	.930	.86	83.3	84.7	SW b S	0·1					
5 „	.700	.811	82.5	78.0	4.5	76.3	.889	.82	83.0	84.6	WSW	0.1	None.	None.	None.	None.	None.
6 „	.724	.835	82.5	78.0	4.5	76.3	.889	.82	83.0	84.5	S b E	0.4					
7 „	.747	.807	83.7	79.5	4.2	78·0	.940	.84	83·5	84.4	„	0.5					
8 „	.759	.855	85.0	79.0	6.0	76.8	.904	.77	84.5	84.3	„	0.4					
9 „	.767	.879	87.2	79.2	8.0	76.2	.888	.71	85.3	84.6	„	0.6					
10 „	.761	.859	89.0	80.0	9.0	76.7	.902	·68	86.4	84.8	„	0.5					
11 „	.756	.851	90.4	80.4	10.0	76.8	.905	.65	87.0	85.0	S b W	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
0	G	A few clouds in hor.; lightning in E hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 84°9. At 4 P.M. the height of Barometer was 29·604 in. lowest during the month and about 0·152 in. lower than the Normal Mean. 21st April was the 16th day on which lightning was seen after sunset and 17th day on which wind blew abnormally.
0	C	" " "	
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	A few pieces of clouds in SE and E hor.; dew falling.	
3	B	≀≀ scattered about hor.; dew falling.	
3	B	≀≀ and mist around hor.	
2	B	" "	
0	B	A few clouds in hor.; mist in hor.	
0	G	" " "	
0	G	∩≀ " "	
1	G	∩≀ along E hor.; a few ≀ scattered here and there.	
2	G	" " "	
3	C	∩≀ along E hor.	
3	C	" "	
3	C	" "	
3	C	" "	
3	B	" "	
4	B	∩≀ along E hor.; ≀ and ≀≀ scattered about, the latter moving W.	
3	B	≀≀ and ≀ scattered about hor.	
2	B	" " "	
4	G	≀≀ and ≀ scattered about, the former moving SE.	
4	G	" " " "	
4	G	" " " "	
3	G	≀≀ scattered about E and NE hor. moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 84°9. 22nd April was the 17th day on which lightning was seen after sunset and 18th day on which wind blew abnormally.
5	C	≀≀ like clouds scattered about moving SE.	
5	C	" " "	
6	C	≀≀ scattered about moving SE.	
6	C	" " "	
7	B	≀≀ scattered about moving N.	
7	B	" "	
6	B	" "	
6	B	" "	
6	G	≀≀ scattered about moving NNE.	
6	G	" " "	
6	G	∩≀ in E hor.; ≀ and ≀≀ scattered about.	
6	G	∩≀ in NE and E hor.; ≀ and ≀≀ scattered about.	
4	C	∩≀ along E hor.; ≀ above N hor.; ≀≀ above SE hor.	
4	C	∩≀ and ≀≀ along E hor.	
4	C	" "	
4	C	" "	
2	B	∩≀ along E and ≀≀ along W hor.	
2	B	" " "	
1	B	≀≀ and ∩≀ around hor.; lightning in SE hor. at intervals of 2m.	
1	B	≀≀ around hor.; lightning in SE hor. at intervals of ½m.	
6	G	≀ and ≀≀ scattered throughout, the former moving E; lightning in SE every minute.	
6	G	Clouded as before lightning in SE hor. every ½m.	
5	G	≀ and ≀≀ scattered about, lightning in SE hor. at intervals of 42s.	
4	G	≀ and ≀≀ scattered about, the latter moving E; lightning in E & SE hor. at intervals of 1½m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 84°8. 23rd April was the 2nd day on which the fall of rain was less than 0·01 inch; this was the 18th day on which lightning was seen after sunset. This was the 19th day on which wind blew abnormally.
3	C	Clouded as before; lightning in E and SE hor. at intervals of 2½m.	
3	C	Clouded as before; lightning in E and SE hor.	
6	B	≀≀ scattered about; lightning in SSE hor.; drops of rain from 3h. 31m. to 3h. 41m.	
6	B	≀≀ and ≀≀ scattered about.	
5	G	≀≀ and ≀ scattered about.	
6	G	≀≀ scattered about; mist in hor.	
6	C	" " "	
6	C	" " "	
3	B	≀≀ scattered about hor.	
2	B	" "	
5	G	∩≀ along E hor.; ≀ and ≀≀ scattered about.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 9.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 23rd-Noon.	29.736	28.823	92°0	81°0	11°0	77°2	0.913	0.63	88°0	85°1	SW b W	0.6					
1 p. m.	.709	.774	92.0	81.5	10.5	77.8	.935	.64	88.6	85.2	WSW	0.5					
2 „	.673	.738	92.0	81.5	10.5	77.9	.935	.64	88.8	85.3	W	0.4					
3 „	.657	.720	91.9	81.5	10.4	77.9	.937	.65	89.0	85.4	„	0.3					
4 „	.648	.724	91.0	81.0	10.0	77.5	.924	.66	88.3	85.6	W b S	0.3					
5 „	.644	.699	89.0	81.0	8.0	78.2	.945	.71	86.9	85.6	WNW	0.4					
6 „	.672	.703	86.4	80.9	5.5	79.0	.969	.79	85.1	85.6	W b N	0.2	None.	None.	None.	None.	None.
7 „	.688	.763	85.0	79.5	5.5	77.5	.925	.79	85.0	85.5	SW b W	0.3					
8 „	.717	.799	84.1	79.1	5.0	77.3	.918	.81	84.6	85.4	SW b S	0.3					
9 „	.729	.814	84.0	79.0	5.0	77.2	.915	.81	84.3	85.3	SSW	0.5					
10 „	.734	.819	84.0	79.0	5.0	77.2	.915	.81	84.3	85.3	„	0.8					
11 „	.737	.797	83.7	79.5	4.2	78.0	.940	.84	84.0	85.2	„	0.0					
Apr. 24th-Midnight	.728	.790	83.4	79.4	4.0	77.9	.938	.84	84.0	85.2	SSW	1.1					
1 a. m.	.724	.859	83.2	77.6	5.6	75.4	.865	.78	83.8	85.0	„	1.0					
2 „	.711	.819	83.0	78.2	4.8	76.4	.892	.81	83.6	85.0	„	0.8					
3 „	.715	.815	83.0	78.4	4.6	76.6	.900	.82	83.5	85.0	„	0.1			3		
4 „	.720	.982	79.4	73.2	6.2	70.5	.738	.75	81.5	84.7	SW b W	0.5	0.02				
5 „	.725	.925	79.9	75.0	4.9	73.0	.800	.80	81.0	84.5	S b E	0.3	0.04		Out of Sc.	Out of Sc.	Instantly.
6 „	.739	.882	81.8	77.0	4.8	75.1	.857	.81	82.3	84.4	„	0.2					
7 „	.751	.843	82.8	78.5	4.3	76.9	.908	.83	83.0	84.4	„	0.3					
8 „	.772	.872	85.4	79.0	6.4	76.6	.900	.76	84.3	84.4	SSE	0.4					
9 „	.790	.866	87.0	80.0	7.0	77.5	.924	.74	85.1	84.6	S b E	0.3					
10 „	.793	.884	88.4	80.0	8.4	76.9	.909	.70	86.0	84.8	SSW	0.2					
11 „	.792	.881	90.1	80.5	9.6	77.0	.911	.68	86.8	84.9	„	0.4					
Noon.	.767	.845	91.2	81.0	10.2	77.4	.922	.65	87.7	85.1	SW	0.5					
1 p. m.	.737	.824	92.0	81.0	11.0	77.1	.913	.63	88.1	85.3	SW b W	0.3					
2 „	.708	.773	92.0	81.5	10.5	77.8	.935	.64	88.6	85.4	„	0.4					
3 „	.676	.737	91.7	81.5	10.2	78.0	.939	.65	88.8	85.5	„	0.6					
4 „	.667	.723	91.6	81.6	10.0	78.1	.944	.66	89.0	85.6	„	0.5					
5 „	.703	.815	90.4	80.0	10.4	76.2	.888	.64	88.0	85.6	WSW	0.3					
6 „	.713	.813	87.3	79.5	7.8	76.6	.900	.72	87.0	85.6	W b S	0.3					
7 „	.721	.947	82.3	75.0	7.3	71.9	.774	.72	83.4	85.3	NE b E	0.1	0.01				
8 „	.740	.921	81.7	76.0	5.7	73.7	.819	.78	83.0	85.3	W b N	0.1	0.04	+	10	10	1.45
9 „	.759	.819	83.7	79.5	4.2	78.0	.940	.84	84.0	85.3	WSW	0.1		+	16	14	0.11
10 „	.761	.835	83.0	79.0	4.0	77.5	.926	.84	83.2	85.3	„	0.4		+	2		Above 10m.
11 „	.755	.874	81.5	77.5	4.0	76.0	.881	.84	83.0	85.1	S b W	0.7		+	1		Above 10m.
Apr. 25th-Midnight	.757	.880	80.0	77.0	3.0	75.8	.877	.88	82.1	85.0	SE b S	0.8					
1 a. m.	.757	.906	79.6	76.2	3.4	74.9	.851	.86	81.9	84.8	„	0.6					
2 „	.736	.960	78.6	74.0	4.6	72.0	.776	.81	80.7	84.6	S b E	1.2					
3 „	.737	.965	79.0	74.0	5.0	71.8	.772	.80	80.6	84.5	„	0.7					
4 „	.735	.960	79.1	74.1	5.0	72.0	.775	.80	80.5	84.4	SE b S	0.6					
5 „	.739	.957	78.7	74.2	4.5	72.2	.782	.82	80.0	84.2	„	0.6					
6 „	.755	.945	79.0	75.0	4.0	73.3	.810	.84	80.0	84.0	SE b E	0.4					
7 „	.771	.972	81.4	75.4	6.0	73.0	.799	.76	81.0	83.8	E b N	0.4					
8 „	.788	.994	84.0	76.0	8.0	72.8	.794	.70	83.0	83.9	„	0.1					
9 „	.797	.984	85.8	77.0	8.8	73.5	.813	.68	84.1	84.0	„	0.2					
10 „	.784	.975	87.3	77.3	10.0	73.3	.809	.64	85.2	84.2	„	0.1					
11 „	.765	.943	89.4	78.2	11.2	73.8	.822	.61	86.1	84.4	„	0.2					
Noon.	.746	.895	90.2	79.1	11.1	74.9	.851	.62	86.8	84.5	WNW	0.4	None.	None.	None.	None.	None.
1 p. m.	.719	.838	91.0	80.0	11.0	76.0	.881	.63	87.0	84.7	W b N	0.3					
2 „	.687	.765	91.2	81.0	10.2	77.4	.922	.65	87.0	85.0	„	0.5					
3 „	.658	.719	91.7	81.5	10.2	78.0	.939	.65	87.6	85.0	„	0.6					
4 „	.634	.700	90.0	81.0	9.0	77.8	.934	.68	87.5	85.1	W	0.7					
5 „	.655	.695	88.5	81.2	7.3	78.7	.960	.74	87.1	85.2	„	0.5					
6 „	.692	.741	86.5	80.5	6.0	78.4	.951	.78	86.4	85.3	SW b W	1.3					
7 „	.716	.770	85.0	80.0	5.0	78.2	.946	.81	85.1	85.4	S b W	0.5					
8 „	.739	.821	84.1	79.1	5.0	77.3	.918	.81	84.5	85.4	„	0.8					
9 „	.752	.864	83.4	78.2	5.2	76.2	.888	.80	84.2	85.3	SSW	0.5					
10 „	.752	.868	83.0	78.0	5.0	76.1	.884	.80	84.6	85.1	„	0.6					
11 „	.755	.850	83.0	78.5	4.5	76.8	.905	.82	83.8	85.0	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
4	G	along E hor.; scattered about.	
4	C	" " "	
4	C	" " "	
2	B	along E hor.; scattered about hor.	
4	B	along E hor.; scattered about moving E.	
4	G	along E hor.; and scattered throughout.	
5	G	along E hor.; and scattered about, the latter moving ENE.	
5	C	Clouded as before; lightning in E hor. at intervals of ¼m.	
4	C	" " " "	
2	B	scattered about moving NNE; lightning in E hor.	
4	B	" " "	
6	G	" " "	
4	G	scattered about moving NE; lightning in NE and E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 84°8; daily fall of rain by Osler's Gauge 0·09 in. Max. tension of Electricity by Henly's apparatus 5. Max. length of the spark by Ronald's measure 0·07 in. 24th April was the 2nd day on which the fall of rain was above 0·01 inch; this was the 1st day on which lightning and thunder were both registered at Bombay Observatory.
5	N	scattered about moving NNE.	
2	N	scattered about moving N; lightning in E at intervals of 11s. after 2h. 25m.	
4	N	scattered about moving NNE; lightning and thunder in SE; rain commenced at 2h. 20m. and ceased at 3h. 55m.; equally wind	
7	N	Densely clouded with ; rain from 4h. 0m to 4h. 15m.; thunder occasionally heard in E. [commenced at 3h. 30m.	
7	B	scattered about moving NNE; slight rain at 5h. 0m. and at 5h. 8m.	
5	B	scattered about moving NNE; above S hor.	
7	B	scattered about moving NNE.	
3	B	scattered about hor.	
5	G	scattered about moving NNE.	
5	G	" " "	
4	G	along E hor.; patches of scattered here and there.	
4	G	" " " "	
4	C	" " " "	
4	C	" " " "	
5	C	along E hor.; scattered about moving NE.	
6	C	" " "	
6	B	along E hor.; scattered about moving ENE.	
5	B	scattered about moving NE.; slight rain now & then; light rain commenced at 6h. 58m	
8	B	Overcast with moving W; lightning and thunder in SE hor.; rain ceased at 7h. 8m.	
2	B	scattered about hor.; lightning and thunder in SE hor. at intervals of 2m.	
5	G	scattered about moving NNE; continuous lightning in SE and S hor.	
5	G	around hor. moving NW; lightning in SE and E hor.	
5	G	Clouded as before; lightning in SE hor. at intervals of 42s.	
7	G	Densely clouded with moving NW; lightning in SE hor. at intervals of 1m. 18s.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 84°9. 25th April was the 19th day on which lightning was seen after sunset.
4	C	scattered about moving NW; lightning in SE hor. at intervals of 1m. 40s.	
0	C	around hor.; lightning in E hor.	
0	C	Cloudless.	
0	C	"	
2	B	scattered about hor.	
1	B	" "	
1	B	" "	
1	B	" "	
1	C	" "	
1	C	" "	
1	C	" "	
1	C	" "	
2	G	along E hor.	
2	G	" "	
3	G	" "	
4	G	and scattered around hor.	
7	C	along E hor.; scattered about moving E.	
7	C	" " "	
7	C	Densely clouded with moving NE; lightning in SE hor. at intervals of ¼m.	
4	C	scattered about moving NE; lightning in SE hor. at intervals of 1¼m.	
1	C	around hor.; scattered about, lightning in E hor.	
2	C	around hor.; scattered about moving NE; lightning in E hor.	
4	C	scattered about moving NNE; lightning in E hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 27th-Midnight	29.767	28.883	83°0	78°0	5°0	76°1	0.884	0.80	83°9	85°0	SW b W	0.4					
1 a. m.	.757	.871	82.8	78.0	4.8	76.1	.886	.81	83.7	84.8	WSW	0.4					
2 „	.747	.856	82.7	78.1	4.6	76·3	.891	.82	83.5	84.7	„	0.1					
3 „	.747	.853	82.5	78.1	4.4	76.4	.894	.83	83.2	84.7	W b S	0.2					
4 „	.752	.857	82.7	78.2	4.5	76.5	.895	.82	83.1	84.6	W	0.1					
5 „	.756	.883	82.7	77.5	5.2	75.5	.868	.80	83.1	84.6	W b N	0.3					
6 „	.784	.951	82.6	76.6	6.0	74.2	.833	.77	83.0	84.6	NW b W	0.2					
7 „	.810	.948	85.0	78.0	7.0	75.2	.862	.74	84.0	84.5	NW	0.2					
8 „	.821	.972	86.2	78.0	8.2	74.8	.849	.70	85.0	84.7	NW b N	0.2					
9 „	.822	.958	86.3	78.5	8.3	75.4	.864	.70	85.7	84.8	NNW	0.2	None.	+	2	None.	Above 10m.
10 „	.820	.964	89.4	79.0	10.4	75.1	.856	.64	86.2	85.0	„	0.3		+	1		Above 10m.
11 „	.812	.834	90.0	82.0	8.0	79.3	.978	.72	86.5	85.1	NW b N	0.5					
Noon.	.790	.936	90.3	79 2	11.1	75.0	.854	.62	86.5	85.2	„	0.6					
1 p. m.	.763	.901	90.8	79.5	11.3	75.3	.862	.62	87.8	85.4	NW b W	0.5					
2 „	.742	.896	91.5	79.3	12.2	74.7	.846	.59	88.4	85.5	NW	0.5					
3 „	.726	.878	91.7	79.4	12.3	74.8	.848	.59	88.7	85.6	NW b W	0.7					
4 „	.724	.859	91.2	79.7	11.5	75.4	.865	.61	88.7	85.6	„	0.3					
5 „	.731	.856	89.6	79.5	10.1	75.7	.875	.65	87.6	85.5	„	0.4					
6 „	.743	.898	86.5	78.0	8.5	74.7	.845	.69	86.0	85.5	„	0.3					
7 „	.767	.889	85.5	78.5	7.0	75·9	.878	.74	85.4	85.5	„	0.3					
8 „	.784	.892	84.6	78.6	6.0	76.4	.892	.77	85.0	85.4	„	0.2					
9 „	.792	.881	84.4	79.0	5.4	77.0	.911	.79	85.0	85.4	„	0.1					
10 „	.805	.890	84.0	79.0	5.0	77.2	.915	.81	85.0	85.4	WNW	0.1					
11 „	.795	.855	83.7	79.5	4.2	78.0	.940	.84	84.2	85.4	W b N	0.1					
Apr. 28th-Midnight	.788	.850	83.4	79.4	4.0	77.9	.938	.84	84.0	85.4	W b S	0.2					
1 a. m.	.776	.883	83.3	78.3	5.0	76.4	.893	.80	83.7	85.3	„	0.1					
2 „	.762	.872	83.2	78·2	5.0	76·3	.890	.80	83.4	85.2	W	0.2					
3 „	.757	.865	83.0	78.2	4.8	76.4	.892	.81	83.4	85.0	„	0.1					
4 „	.761	.877	83.0	78.0	5.0	76.1	.884	.80	83.3	84.9	W b N	0.3					
5 „	.782	.887	82.7	78.2	4.5	76.1	.875	.82	83.3	84.8	WNW	0.2					
6 „	.810	.926	83.0	78.0	5.0	76.1	.884	.80	83.3	84.7	„	0.2					
7 „	.832	.928	85.0	79.0	6.0	76.8	.904	.77	84.0	84.8	NW b W	0.1					
8 „	.858	.972	86.6	79.0	7.6	76.1	.886	.72	85.0	84.9	„	0.2					
9 „	.865	.952	88.0	80.0	8.0	77.1	.913	.71	86.0	85.0	„	0.2					
10 „	.863	.965	89.4	80.0	9.4	76 6	.898	.67	86.4	85.2	„	0.1					
11 „	.854	.952	90.3	80.3	10.0	76.7	.902	.65	86.9	85.2	NW	0.2	None.	None.	None.	None.	None.
Noon.	.829	.924	90.4	80.4	10.0	76.8	.905	.65	87.0	85.4	„	0.4					
1 p. m.	.810	.935	91.5	80.0	11.5	75.8	.875	.61	87.7	85.5	NW b W	0.4					
2 „	.777	.899	91.3	80.0	11.3	75.9	.878	.62	88.1	85.6	„	0.4					
3 „	.757	.886	91.2	79.8	11.4	75.6	.871	.61	88.3	85.7	NW	0.6					
4 „	.753	.872	91.0	80.0	11.0	76.0	.881	.63	88.3	85.7	NW b W	0.2					
5 „	.753	.863	90.6	80.0	10.6	76.1	.885	.64	88.0	85.9	„	0.3					
6 „	.764	.884	87.2	79.0	8.2	75.9	.880	.70	87.0	85.9	„	0.2					
7 „	.769	.902	85.3	78.2	7.1	75.5	.867	.74	85.3	85.8	„	0.3					
8 „	.778	.911	84.5	78.0	6.5	75.5	.867	.75	84.8	85.8	„	0.2					
9 „	.788	.917	84.2	78.0	6.2	75.6	.871	.76	84.0	85.7	„	0.3					
10 „	.805	.932	84.0	78.0	6.0	75.7	.873	.77	84.0	85.7	W b S	0.2					
11 „	.795	.920	83.8	78.0	5.8	75.8	.875	.78	83.9	85.6	„	0.3					
Apr. 29th-Midnight	.791	.926	83.2	77.6	5.6	75.4	.865	0.78	83.7	85.5	W b N	0.0					
1 a. m.	.775	.908	82.8	77.5	5.3	75.5	.867	.79	83.5	85.4	„	0.3					
2 „	.760	.898	82.5	77.3	5.2	75.3	.862	.80	83.3	85.2	„	0.2					
3 „	.760	.901	82.4	77.2	5.2	75.2	.859	.80	83.2	85.1	WNW	0.1	None.	None.	None.	None.	None.
4 „	.762	.909	82.2	77.0	5.2	75.0	.853	.80	83.0	85.0	„	0.1					
5 „	.779	.926	82.2	77.0	5.2	75.0	.853	.80	83.0	85.0	„	0.3					
6 „	.818	.971	82.7	77.0	5.7	74.7	.847	.78	83.0	85.0	„	0.2					
7 „	.836	.974	85.0	78.0	7.0	75.3	.862	.74	84.0	84.9	„	0 3					
8 „	.851	29.009	86.8	78.0	8.8	74.6	.842	.68	85.0	85.0	NW b W	0.3					
9 „	.861	.032	88.0	78.0	10.0	74.1	.829	.65	85.5	85.1	NW	0.2					
10 „	.853	.025	90.0	78.5	11.5	74.0	.828	.61	86.1	85.2	„	0.3					
11 „	.842	28.996	91.0	79.2	11.8	74.7	.846	.60	86.5	85.4	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
5	G	scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°5 and 85°0. At 11 A.M. temperature of Evaporation and that of the Dew-point were respectively 82°0 and 79°3 highest during the month; the former was higher than the Normal Mean by 3·2 and the latter was higher by 4°1.
4	C	" " "	
4	C	scattered about moving ESE.	
4	C	" " "	
6	C	" " "	
7	B	and scattered about, both moving N.	
7	B	" " " "	
6	B	and scattered about, the former moving SE.	
5	B	" " "	
6	G	along E hor.; and scattered about, the former moving SSE.	
5	G	along E hor.; pieces of scattered here and there.	27th April was the 20th day on which lightning was seen after sunset.
5	G	" " "	
2	G	scattered around hor.	
2	C	and scattered along E hor.	
2	C	ranged along E hor.	
2	C	" "	
2	C	" "	
1	B	" "	
1	B	along E hor.; lightning in E hor. after 6h. 45m.	
0	B	along E. hor.; continuous lightning in E hor.	
0	B	along E hor.; lightning in E hor. at intervals of 30s.	
1	G	in E hor.; scattered about; lightning in E hor. at intervals of 1m. 9s.	
1	G	Clouded as before; lightning in E hor. at intervals of ½m.	
1	G	" " " "	
2	G	scattered about hor.; lightning in E hor.	Mean daily temperature of ground 20 and 60 inches below its surface 86°6 and 85°1.
4	C	scattered about moving E.	
5	C	" "	
5	C	and scattered about, both moving ESE.	28th April was the 21st day on which lightning was seen after sunset.
4	C	" " "	
6	B	scattered throughout moving E.	
2	B	" "	
2	B	" "	
2	B	" "	
5	G	along E hor.; scattered about moving SSE.	
4	G	along E hor.; a few pieces of scattered here and there.	
4	G	" " " " "	
4	G	" " " " "	
4	C	along E hor.; scattered here and there.	
3	C	scattered along E hor.	
3	C	" "	
3	C	" "	
1	B	" "	
1	B	" "	
0	B	A few in E hor.	
0	B	Cloudless.	
0	G	A few scattered here and there.	
4	G	scattered about moving SE.	
6	G	scattered about moving E.	
6	G	scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°6 and 85°0.
6	C	and scattered about, both moving E.	
6	C	" " " "	
5	C	and scattered about, both moving ESE.	
4	C	" " " "	
2	B	scattered about moving SE.	
4	B	" " "	
5	B	" " "	
4	B	" " "	
4	G	and scattered about moving SE.	
5	G	" " "	
6	G	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Apr. 29th-Noon.	29.825	28.979	91°5	79°3	12°2	74°7	0.846	0.59	87°0	85°4	NNW	0.3					
1 p. m.	.801	.929	91.8	80.0	11.8	75.6	.872	.60	88.2	85.5	WNW	0.2					
2 „	.775	.897	91.3	80.0	11.3	75.9	.878	.62	88.4	85.6	NW b W	0.3					
3 „	.761	.883	91.0	79.8	11.2	75·7	.873	.62	88.5	85.7	WNW	0.2					
4 „	.755	.850	90.4	80.4	10.0	76·8	.905	.65	88.2	85.8	„	0·1	None.	None.	None.	None.	None.
5 „	.755	.860	89.6	80.0	9.6	76.5	.895	.67	87.3	85.8	„	0.2					
6 „	.764	.877	86.5	79.0	7.5	76.2	·887	.72	86.2	85.8	W b N	0.2					
7 „	.769	.903	84.6	78.0	6.6	75.4	.866	.75	85.0	85.8	„	0.3					
8 „	.788	.944	83.7	77.2	6.5	74.6	.844	.75	84.3	85.7	WNW	0.5					
9 „	.799	.934	83.2	77.6	5.6	75.4	.865	.78	84.0	85.6	„	0.2					
10 „	.807	.939	82.7	77.5	5.2	75.5	.868	.80	83.3	85·6	W b N	0.2					
11 „	.807	.948	82.4	77.2	5.2	75.2	.859	.80	83.2	85.5	„	0.0					
Apr. 30th-Midnight	.792	.976	82.0	76.0	6.0	73.6	.816	.77	83.0	85.4	WSW	0.0					
1 a. m.	.780	.972	82.0	75.8	6.2	73.3	.808	.76	82.6	85.3	W	0.0					
2 „	.768	.980	81.0	75·0	6.0	72.5	.788	.76	82.4	85.2	W b S	0.3					
3 „	.765	.981	81.0	74.9	6.1	72.3	.784	.76	82.2	85.1	WSW	0.2					
4 „	.765	.993	80.4	74.4	6.0	71.8	.772	.76	82.0	84·9	W	0.1					
5 „	.766	29.005	80.0	74.0	6.0	71.4	.761	.76	81.0	84.8	„	0.2					
6 „	.808	.022	81.2	75.0	6.2	72.4	.786	.76	81.9	84.6	„	0.1					
7 „	.838	.081	83·8	75.0	8.8	71.2	.757	.67	83.0	84.5	W b N	0.1					
8 „	.863	·123	85.4	75.0	10·4	70.5	.740	.62	84.0	84.6	„	0.1					
9 „	.871	.134	87.4	75.5	11.9	70.4	.737	.58	85·0	84.8	WNW	0.1					
10 „	.870	.120	88.0	76.0	12.0	71.0	.750	.58	85.5	84.8	„	0.1					
11 „	.855	.101	89.4	76.5	12.9	71.1	.754	.56	85·9	84.9	„	0.1	None.	None.	None.	None.	None.
Noon.	.834	.073	90.5	77.0	13.5	71.4	.761	.55	86.0	85.0	WSW	0.2					
1 p. m.	.811	.032	91.4	77.7	13.7	72.1	·779	.55	86.5	85.1	W	0.1					
2 „	.785	.034	92.2	77.2	15.0	71.0	.751	.51	87.0	85.2	„	0.3					
3 „	.769	.010	91.5	77.2	14.3	71.3	.759	.53	87.7	85.3	„	0.3					
4 „	.763	28·987	91.0	77.5	13.5	72.0	.776	.55	88.0	85.4	„	0.3					
5 „	.762	.978	89.2	77.2	12.0	72.3	.784	.56	87.0	85.5	„	0.2					
6 „	.777	.995	85.8	76.2	9·6	72.2	·782	.65	85.6	85·5	W b N	0.3					
7 „	.781	.930	84.2	77.5	6.7	74.9	.851	.74	84.0	85.4	„	0.4					
8 „	.801	.964	83.6	77.0	6.6	74.4	.837	.75	83.9	85.3	„	0.2					
9 „	.815	29.010	83.0	76.0	7.0	73.2	.805	.73	83.5	85.3	WNW	0.4					
10 „	.818	.013	83.0	76.0	7.0	73.2	.805	.73	83.0	85.3	W b N	0.2					
11 „	.806	.032	82.3	75.0	7.3	71.9	.774	.72	82.7	85.1	„	0.1					
May 1st-Midnight	.799	28.983	82.0	76.0	6.0	73.6	.816	.77	82.6	85.0	WNW	0.0					
1 a. m.	.777	.989	81·0	75.0	6.0	72.5	.788	.76	82.3	84.9	W b N	0.1					
2 „	.761	.957	80.9	75.4	5.5	73.1	.804	.78	82.1	84.8	WSW	0.1					
3 „	.756	.990	80.9	74.4	6.5	71.6	.766	.74	81.9	84.7	W b S	0.1					
4 „	.762	29.012	81.0	74.0	7.0	71.0	.750	·73	81.7	84.6	WNW	0.1					
5 „	.774	.027	80.0	73.6	6.4	70.8	.747	.75	81.5	84.5	„	0.1					
6 „	.800	.073	80.1	73.1	7.0	70.0	.727	.72	81.2	84.3	„	0.1					
7 „	.822	.028	84·0	76.0	8.0	72.8	.794	.70	82.8	84.2	ESE	0.1					
8 „	.831	.012	86·8	77.4	9.4	73.7	.819	.66	84.8	84.3	„	0.1					
9 „	.853	.114	87.2	75.5	11.7	70.5	.739	.59	85·2	84·5	SW	0.3					
10 „	.854	.126	88.2	75.5	12.7	70.0	.728	.56	85.9	84.6	W b N	0.2					
11 „	.849	.080	89.3	77.0	12.8	71.7	.769	.57	86.1	84.8	WSW	0.2					
Noon.	.833	·077	91.0	77.0	14.0	71.2	.756	.54	87.0	85.0	W b S	0.2	None.			None.	
1 p. m.	.803	.033	91·6	77.5	14.1	71.8	.770	.54	87.3	85.1	WSW	0.3					
2 „	.777	28.992	92.0	78.0	14.0	72.4	.785	.54	87.5	85.2	„	0.4		+	1		Above 10m.
3 „	.767	.975	91.4	78.0	13.4	72.7	.792	.55	86.6	85.4	„	0.4					
4 „	.755	.959	91·0	78.0	13.0	72.8	.796	.57	86.5	85.5	W b N	0.5					
5 „	.764	.959	89.4	77.8	11.6	73.2	.805	.60	86.5	85.6	W	0.2					
6 „	.776	.965	86.0	77.0	9.0	73.4	.811	.67	86.0	85.7	WNW	0.2					
7 „	.787	.975	84.1	76.5	7.6	73.4	·812	.71	85.0	85.7	W b N	0.2					
8 „	.800	.987	83.3	76·3	7.0	73.5	·813	.73	84.1	85.5	WNW	0.2					
9 „	.808	.999	82.6	76.0	6.6	73.3	.809	.75	83·2	85.3	„	0.4					
10 „	.818	29.027	82.5	75.5	7.0	72.6	.791	.73	83.0	85.1	„	0.3					
11 „	.808	28.992	82.0	76.0	6.0	73·6	.816	.77	82.7	85.0	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cc cirro-cumuli; Cu cumuli; Cs cirro-strati; Sc cumulo-strati; and Ns nimbi.	
6	G	Ci and Cc scattered about moving SE.	
6	C	Cu along E hor.; Cc scattered about moving SE.	
5	C	" " "	
5	C	" " "	
5	C	Cu along E hor.; Cc scattered about moving ESE.	
2	B	Cu and Cc scattered about hor.	
1	B	" " "	
3	B	Ci and Cc scattered about, the former moving E.	
5	B	Ci scattered about moving E.	
4	G	Ci, Ns and Cc scattered about, the former moving SSE.	
5	G	Ci and Cc scattered about, the former moving SE.	
5	G	" " "	
5	G	Ci and Cc scattered about, the former moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°7 and 84°8. The temperature external and Free Air at 2 P.M. 92°2 greatest in the month and about 4°8 greater than the Normal Mean.
4	C	" " " "	
4	C	Ci and Cc scattered about, both moving E.	
4	C	" " "	
3	C	Ci around hor., and Cc scattered about.	
2	B	Cc scattered about hor.	
4	B	Cc scattered about moving E.	
3	B	" "	
4	B	Cc scattered about moving E.	
4	G		
3	G	" "	
1	G	" "	
0	G	Cc scattered along E hor.	
0	G	A few clouds in E hor.	
0	C		
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	A few Ns above SE hor.	
5	G	Ci scattered about moving E.	
6	G	" "	
6	G	Ci scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°0. The temperature of Evaporation at 6 A.M. was 73°1 lowest in the month and about 2°3 lower than the Normal Mean for the hour. 1st May was the 22nd day on which the direction of wind was abnormal.
5	C	" "	
5	C	" "	
5	C	Ci, scattered about moving ESE.	
4	C	" " "	
4	C	Ci scattered about moving SE.	
4	C	Ci and Cc scattered about, both moving E.	
5	C	" " "	
4	C	" " "	
4	B	Cc scattered about moving ENE.	
3	B	"	
4	B	Cc scattered about moving E.	
2	B	Cc scattered about hor.	
2	G	" "	
2	G	" "	
2	G	" "	
2	G	" "	
3	C	Cc scattered about moving NE.	
3	C	" "	
3	C	" "	
3	C	" "	
0	B	A few Cc scattered here and there.	
0	B	" " "	
0	B	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds for same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
May 2nd-Midnight	29.788	29.007	81°6	75°0	6°6	72°2	0.781	0.74	82°4	84°9	WNW	0.1					
1 a. m.	.777	28.993	81.4	75.0	6.4	72.3	.784	.75	82.0	84.8	„	0.0					
2 „	.769	.981	81.0	75·0	6.0	72·5	.788	.76	82.0	84.8	„	0.3					
3 „	.762	.958	80.9	75.4	5.5	73.1	.804	.78	82.0	84.8	„	0.2					
4 „	·763	.997	80.9	74.4	6.5	71.6	.766	.74	81.6	84.7	„	0.3					
5 „	.775	29.028	80.2	73.7	6.5	70.8	.747	.74	81.2	84.6	NW b W	0.1					
6 „	.807	.057	80.4	73.8	6.6	71.0	.750	.74	81.2	84.4	„	0.1					
7 „	.831	.075	83.3	74.3	9.0	70.4	.736	.66	82.0	84.2	„	0.1					
8 „	.861	·126	85.8	75.0	10.8	70·3	.735	.61	84.0	84.2	NW	0.1					
9 „	.867	.135	86.8	75.2	11·6	70.2	.732	.60	84.6	84.2	„	0.2					
10 „	.866	.140	88.4	75.5	12.9	69.9	.726	.56	86.0	84.4	„	0.2					
11 „	.866	.127	89.0	76.0	13.0	70.5	.739	.56	86.3	84.6	NW b W	0·1	None.	None.	None.	None.	None.
Noon.	.851	.085	90.1	77·0	13.1	71.6	.766	.56	87.0	84·9	WNW	0.2					
1 p. m.	.831	.088	90.8	76.6	14.2	70.7	.743	.53	87.0	85.0	„	0.2					
2 „	.813	.091	90.5	76.0	14.5	69.8	.722	.52	87.0	85.0	„	0.3					
3 „	.797	.079	90.9	76.0	14.9	69.6	.718	.51	87.1	85.2	„	0.2					
4 „	.788	.062	90.2	76·0	14.2	69.9	.726	.53	87.0	85.2	„	0.4					
5 „	.792	.046	88.4	76.0	12.4	70.8	.746	.57	86.0	85.4	„	0.2					
6 „	.801	.037	85.7	75.7	10.0	71.5	.764	.64	85.2	85.4	„	0.2					
*7 „	.814	·098	84.2	74.0	10.2	69.5	.716	.63	84.3	85.4	„	0·1					
8 „	.823	.095	83.0	74.0	9.0	70.0	.728	.66	84.0	85.4	„	0.2					
9 „	.830	.056	82.3	75.0	7.3	71.9	.774	.72	83.2	85.3	„	0.1					
10 „	.835	.058	82.0	75.0	7.0	72.0	.777	.73	83.0	85.2	„	0.2					
11 „	.830	.023	81.0	75.5	5.5	73.2	.807	.78	82.7	85.1	„	0.1					
May 4th-Midnight	.765	28.951	82.2	76.0	6.2	73.5	.814	.76	82.7	84.8	NW b W	0.3					
1 a. m.	.752	.933	81.7	76.0	5.7	73.7	.819	.78	82.2	84.7	„	0.2					
2 „	.742	.919	81.4	76.0	5.4	73.8	.823	.79	82.0	84·6	„	0.1					
3 „	.732	.909	81.4	76.0	5·4	73.8	.823	.79	82.0	84.6	„	0.2					
4 „	.734	.927	81.2	75.8	5.4	73.2	.807	.79	81.9	84.6	„	0.2					
5 „	.755	.939	80.6	75.6	5.0	73.6	.816	.80	81.5	84.4	NW	0.1					
6 „	.763	.936	81.0	76.0	5.0	74.0	.827	.80	81.4	84.3	N	0.1					
7 „	.784	.963	83.7	76.6	7.1	73.8	.821	.73	82.0	84.2	N b E	0.1					
8 „	.798	.956	85.7	77.7	8.0	74.6	.842	.70	84.0	84.3	NNE	0.1					
9 „	.807	29.077	87·7	75.4	12.3	70.1	.730	.57	85.0	84.5	N	0.2					
10 „	.812	28.992	88.8	78.0	10.8	73.7	.820	.62	86.0	84.6	NW b N	0.3					
11 „	.807	.970	89.6	78.6	11.0	74.4	.837	.62	86.6	84.8	NW	0.3	None.	None.	None.	None.	None.
Noon.	.793	29.028	90.2	77.0	13.2	71.6	.765	.56	87.0	85.0	„	0.4					
1 p. m.	.780	.020	90.6	77.0	13.6	71.4	.760	.55	87·5	85.1	NW b W	0.3					
2 „	.757	28.947	90.8	78.3	12.5	73.3	.810	.58	87.6	85.2	„	0.4					
3 „	.740	.891	90.0	79.0	11.0	74.8	.849	.62	87.0	85.3	„	0.6					
4 „	.730	.835	89·6	80.0	9.6	76.5	.895	.67	87.0	85.4	NW	0·6					
5 „	.734	.833	87·6	79.6	8.0	76.7	.901	.71	86.0	85.5	NW b W	0.4					
6 „	.749	·864	84.9	78·5	6.4	76.1	.885	.76	85.0	85.5	„	0.4					
7 „	.766	.871	83.5	78.4	5.1	76.5	.895	.80	84.2	85.4	„	0.2					
8 „	.788	.888	83.0	78.4	4.6	76.6	.900	.82	83.7	85.3	NW	0.3					
9 „	.800	.906	82.8	78.2	4.6	76.4	.894	.82	83.4	85.1	NW b N	0.4					
10 „	.816	.928	82.6	78·0	4.6	76.2	.888	·82	83.2	85.0	„	0.3					
11 „	.810	.922	82.6	78.0	4.6	76.2	.888	.82	82.2	84.9	„	0.3					
May 5th-Midnight	.795	.946	82.5	77.0	5.5	74.8	.849	.79	83.0	84.8	NW b N	0.3					
1 a. m.	.780	.925	82.0	77.0	5.0	75.0	.855	.80	82·5	84.8	„	0.2					
2 „	.769	.931	81.8	76.5	5.3	74.4	.838	·84	82.4	84.8	„	0.3					
3 „	.762	.943	81.7	76.0	5.7	73·7	.819	.78	82.3	84.8	NNW	0.2					
4 „	.762	.957	81.6	75 6	6.0	73.2	.805	.77	82·0	84.7	„	0.1					
5 „	.766	.925	80.5	76.2	4.3	74.5	.841	.83	81.3	84.6	„	0.1					
6 „	.779	.930	80.4	76.4	4.0	74.8	.849	.84	81.5	84.5	„	0.1	None.	None.	None.	None.	None.
7 „	.804	.968	82.7	76.7	6·0	74·3	.836	.77	82.2	84.4	NE b N	0.1					
8 „	.817	.970	84.9	77.6	7.3	74.7	.847	.73	84.1	84.4	„	0.1					
9. „	·824	29.035	88.0	77.0	11.0	72.6	.789	.61	85.6	84.6	NNE	0.3					
10 „	.820	28.972	88.6	78.6	10.0	74.8	.848	.65	86.0	84.8	N	0.3					
11 „	.805	.990	89·3	78.0	11.3	73.5	.815	.61	86.5	84.9	N b W	0.4					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
0	B	A few pieces of ≀≀ above S hor.	Mean daily temperature of ground 20 and 60 inches below its surface 86°7 and 85°0. The height of Barometer at 9 A.M. was 29·867 in. greatest in the month and about 0·049 in. greater than the Normal height for that hour at 7 P.M.; the temperature of calculated Dew-Point was 69°5 lowest in the month and about 6°6 lower than the Normal Mean.
1	G	≀≀ scattered around hor.	
4	G	≀≀ scattered about moving SE.	
5	G	" " "	
5	G	" " "	
5	C	≀∩ and ≀≀ scattered about, both moving ESE; mist in hor.	
5	C	" " " "	
5	C	" " " "	
5	C	≀∩ scattered about moving E; mist in hor.	
4	B	≀≀ scattered about moving E; mist in hor.	
5	G	≀≀ scattered about moving ESE; mist in hor.	
5	G	" " "	
4	G	≀≀ scattered about moving E.	
2	B	" " "	
2	B	Clouded as before.	
2	B	" "	
3	B	" "	
4	G	" "	
5	G	" "	
5	G	" "	
5	G	" "	
2	G	≀≀ scattered about hor. moving E.	
2	G	" " "	
2	G	" " "	
5	B	≀∩ scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°6 and 85°0.
4	G	≀∩ scattered about moving SE.	
5	G	" " "	
6	G	" " "	
6	G	" " "	
5	C	" " "	
5	C	≀∩ and ≀≀ scattered about moving SE.	
5	C	" " "	
5	C	" " "	
3	B	≀≀ scattered about moving SE.	
3	B	" "	
1	B	≀≀ scattered around hor.	
0	B	A few pieces of ≀≀ in hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	C	A few pieces of ≀≀ above N hor.	
2	C	≀≀ scattered along E hor.	
2	C	" "	
4	C	≀≀ scattered about moving E.	
4	B	" "	
5	B	≀≀ scattered about moving ESE.	
5	B	≀∩ scattered about moving SE.	
5	B	≀∩ scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°7 and 85°1. 5th May was the 22nd day on which lightning was seen after sunset.
6	G	" "	
6	G	" "	
5	G	" "	
5	G	" "	
5	C	" "	
5	C	≀∩ scattered about moving SE; mist along E hor.	
7	C	" " " "	
7	C	" " " "	
4	B	≀∩ scattered about moving SE.	
1	B	A few masses of clouds around hor.	
0	B	Cloudless.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newmann's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 5th-Noon.	29.793	28.942	89°8	79°0	10°8	74°9	0.851	0.63	86°6	85°0	N b W	0.4					
1 p.m.	.772	.904	90.2	79.5	10.7	75.5	.868	.63	87.0	85.2	WNW	0.5					
2 „	.760	.868	90.0	80.0	10.0	76.4	.892	.65	87.0	85.4	„	0.6					
3 „	.746	.840	89.8	80.3	9.5	76.8	.906	.67	86.5	85.4	„	0.7					
4 „	.734	.819	89.4	80.4	9.0	77.2	.915	.68	86.5	85.5	„	0.6					
5 „	.740	.814	87.6	80.2	7.4	77.5	.926	.73	86.2	85.6	N W b W	0.7	None.	None.	None.	None.	None.
6 „	.751	.835	85.4	79.4	6.0	77.2	.916	.77	85.0	85.5	NW	0.7					
7 „	.761	.835	83.7	79.2	4.5	77.5	.926	.82	84.5	85.4	„	0.6					
8 „	.783	.851	83.2	79.2	4.0	77.7	.932	.84	84.2	85.2	„	0.5					
9 „	.792	.908	83.0	78.0	5.0	76.1	.884	.80	83.6	85.1	NW b N	0.4					
10 „	.802	.918	83.0	78.0	5.0	76.1	.884	.80	83.6	85.0	„	0.4					
11 „	.800	.916	83.0	78.0	5.0	76.1	.884	.80	83.4	84.9	„	0.5					
May 6th-Midnight	.786	.899	82.7	78.0	4.7	76.2	.887	.82	83.1	84.9	NW b N	0.4					
1 a. m.	.770	.883	82.7	78.0	4.7	76.2	.887	.82	83.0	84.8	NNW	0.5					
2 „	.752	.880	82.3	77.5	4.8	75.6	.872	.81	82.8	84.8	NW b N	0.3					
3 „	.736	.881	82.0	77.0	5.0	75.0	.855	.80	82.5	84.8	„	0.4					
4 „	.734	.877	81.8	77.0	4.8	75.1	.857	.81	82.2	84.8	NNW	0.3					
5 „	.734	.865	81·2	77.2	4.0	75.6	.872	.84	82.0	84.7	N	0.1					
6 „	.750	.880	80.6	77.0	3.6	75.6	.870	.85	82.0	84.4	NNE	0.1					
7 „	.775	.916	80.5	77.5	3.0	75.2	.859	.77	83.0	84.3	„	0.1					
8 „	.778	.895	85.8	78.7	7.1	76.0	.883	.74	84.8	84.5	NE b N	0.1	None.		None.		
9 „	.774	.902	87.9	79.0	8.9	75.6	.872	.68	85.4	84.7	NNE	0.3					
10 „	.766	.879	88.5	79.5	9.0	76.2	.887	.68	86.0	84.9	NW b N	0.2					
11 „	.759	.860	89.3	80·0	9.3	76.6	.899	.67	86.3	85.0	„	0.2					
Noon.	.746	.854	90.0	80.0	10.0	76·4	.892	.65	87.0	85·2	„	0.3					
1 p. m.	.719	.827	90.0	80.0	10.0	76.4	.892	·65	87.0	85.3	NW b W	0.4					
2 „	.713	.821	90.0	80.0	10.0	76.4	.892	.65	87.0	85.4	WNW	0.5					
3 „	.697	.791	89.8	80.3	9.5	76.8	·906	·67	87.0	85.5	„	0·6					
4 „	.667	.767	89.2	80.0	9.2	76.6	·900	.67	86.7	85.6	„	0.7					
5 „	.679	.788	87.7	79.4	8.3	76.3	·891	.70	86.2	85.7	„	0.6		+	1		5.15
6 „	.691	.784	85.5	79.2	6.3	76.9	·907	.76	85·3	85.8	NW	0.5					
7 „	.704	.747	84.0	80.0	4.0	78.6	·957	.84	84.4	85.7	NW b W	0.4					
8 „	.717	.762	83.4	79.8	3.6	78.5	·955	.86	84 0	85.5	„	0.4					
9 „	.733	.807	83.0	79.0	4.0	77·5	·926	.84	83.5	85.5	NW	0.5					
10 „	.737	.809	82·8	79.0	3·8	77.6	·928	.87	83.5	85.4	NW b N	0.4					
11 „	.736	.838	82.5	78.2	4.3	76.6	·898	.83	83.1	85.3	NW	0.5					
May 7th-Midnight	.728	.797	82.5	79.0	3.5	77.7	·931	.86	83.1	85.1	N b W	0.2					
1 a. m.	.726	.790	82.1	79 0	3·1	77.9	·936	.87	83.0	85.0	„	0.3					
2 „	.720	.783	82.0	79.0	3.0	77.9	.937	.88	83.0	85.0	N	0.0					
3 „	.715	.784	81.8	78.8	3·0	77.7	·931	.88	82.9	85.0	„	0.0					
4 „	.725	.853	81.2	77.2	4.0	75.6	.872	.84	82.0	84.9	„	0.2					
5 „	.735	.829	81.0	78.0	3.0	76.8	.906	.88	81.9	84.8	NE b E	0.0					
6 „	.747	.872	81.3	77.3	4.0	75.8	·875	.84	82.0	84.7	„	0.1					
7 „	.774	·896	84.3	77.2	6.1	75.9	.878	.77	84·0	84.7	„	0.1					
8 „	·787	.890	85.6	79.0	6.6	76 5	.897	.75	85.0	84.8	N b W	0.1					
9 „	.798	.921	87.2	79.2	8.0	75.8	.877	.71	85.3	85.0	NW b N	0.1					
10 „	.795	.912	88.4	79.4	9.0	76.0	·883	.68	85.9	85.1	WSW	0.2					
11 „	.788	.951	88.8	78.4	10.4	74.4	.837	.64	86.0	85.2	„	0.3					
Noon.	·775	.930	90.4	79.0	11.4	74.6	.845	.61	87.0	85.4	W b S	0.4	None.	None.	None.	None.	None.
1 p. m.	.754	.907	91.4	79.3	12.1	74.7	.847	.59	87.4	85.5	„	0.5					
2 „	.737	.867	92.0	80.0	12.0	75.6	.870	.69	88.0	85.6	„	0.4					
3 „	.725	.790	92.0	81.5	10.5	77·8	.935	.64	88.0	85.6	„	0.5					
4 „	.708	.836	91.8	80.0	11.8	75.6	.872	.60	87.8	85.8	W	0.2					
5 „	.713	.821	90.0	80.0	10.0	76.4	.892	.65	87.4	85.9	W b S	0.1					
6 „	.737	.831	86.8	79.5	7.3	76.8	·906	.73	86.7	86.0	„	0.1					
7 „	.745	.839	85.2	79.1	6.1	76.8	·906	.77	85.5	86.0	„	0.4					
8 „	.759	.841	84.5	79.2	5.3	77.3	·918	.80	85.2	85.9	„	0.2					
9 „	.778	.884	84.0	78.5	5·5	76.4	·894	.79	84.8	85.8	W b N	0.4					
10 „	.778	.880	83.7	78·5	5.2	76.6	·898	.80	84.2	85.6	„	0.3					
11 „	.766	.844	83.4	79.0	4.4	77·4	.922	.83	84.0	85.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ∿i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒i cumulo-strati; and ∿i nimbi.	
0	B	Cloudless.	
0	G	"	
0	G	A few patchs of clouds along E hor.	
0	G	" " "	
1	G	∿i around hor; ⌇i scattered about.	
3	C	" "	
3	C	∿i and ⌇i scattered about, both moving SSE.	
4	C	∿i and ∿i scattered about, both moving SSE; lightning in E hor. at intervals of 40s.	
4	C	" " " " "	
5	B	∿i scattered about moving SE; lightning in E hor. at intervals of 1m. 25s.	
6	B	∿i and ∿i scattered throughout, the former moving SE.	
6	B	" " " "	
6	B	∿i and ∿i scattered about, the former moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°7 and 85°2.
7	G	Densely clouded with ∿i moving SE.	
6	G	∿i and ∿i scattered about, both moving SE; a few drops of rain fell at 2h. 00m.	
6	G	∿i scattered about moving SE.	6th May was the 3rd day on which the fall of rain was less than one cent.
6	G	∿i and ∿i scattered about, the former moving SE.	
4	C	" " " "	
3	C	∿i and ∿i scattered about, both moving SSE; mist along E hor.	
3	C	" " " "	
2	C	∿i and ∿i scattered about, moving SE.	
0	B	A few pieces of clouds above S and E hor.	
1	B	∿i scattered along E hor.	
1	B	" "	
1	B	Pieces of ∿i scattered about moving NW.	
1	G	∿i scattered about hor.	
1	G	" "	
0	G	A few pieces of clouds in hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
3	B	∿i scattered about moving SE.	
4	B	" "	
4	B	∿i scattered about moving W.	
6	B	∿i and ∿i scattered about, the former moving SE and the latter W.	Mean daily temperature of ground 20 and 60 inches below its surface 86°7 and 85°3.
6	G	∿i and ∿i scattered about, the former moving SE.	
5	G	∿i scattered about moving SE.	
6	G	∿i scattered about moving SSE; dew falling.	
6	G	" " "	
7	C	∿i scattered about moving SSE; ∿i along E hor.	
5	C	∿i and ∿i scattered about, both moving SSE; mist in hor.	
4	C	" " " "	
2	C	∿i scattered about hor.	
0	B	A few pieces of clouds above NE hor.	
0	B	A few pieces of clouds around hor.	
0	B	Cloudless.	
0	B	"	
0	G	A few pieces of clouds around hor.	
0	G	" " "	
0	G	" " "	
1	G	∿i scattered about hor.	
3	C	∿i scattered about the sky.	
5	C	∿i scattered about moving NE.	
6	C	" "	
5	C	" "	
3	B	∿i scattered about moving ESE.	
3	B	" "	
4	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 8th-Midnight	29.748	28.822	83°3	79°0	4°3	77°5	0.926	0.83	83°9	85°5	W b N	0.2					
1 a. m.	.734	.850	83.0	78.0	5.0	76.1	.884	.80	83.5	85.4	„	0.1					
2 „	.714	.811	82.8	78.4	4.4	76.7	.903	.83	83.0	85.4	„	0.2					
3 „	.709	.795	82.6	78.6	4.0	77.1	.914	.84	82.9	85.3	WNW	0.3					
4 „	.715	.801	82.6	78.6	4.0	77.1	.914	.84	82.9	85.2	„	0.5					
5 „	.722	.844	81.8	77.5	4.3	75.9	.878	.83	81.8	85.1	„	0.4					
6 „	.751	.877	82.4	77.6	4.8	75.7	.874	.81	82.1	84.9	„	0.1					
7 „	.776	.925	86.0	78.0	8.0	74.9	.851	.70	84.6	85.0	NW b W	0.1					
8 „	.793	.921	87.2	78.8	8.4	75.6	.872	.69	85.7	85.1	„	0.2					
9 „	.798	.937	88.2	78.8	9.4	75.2	.861	.67	86.0	85.3	SW b S	0.2					
10 „	.796	.947	90.0	79.0	11.0	74.8	.849	.62	87.0	85.4	SSW	0.3					
11 „	.773	.905	91.2	80.0	11.2	75.5	.868	.62	87.6	85.5	WSW	0.3					
Noon.	.762	.896	92.4	80.0	12.4	75.4	.866	.58	88.4	85.7	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.726	.869	93.2	80.0	13.2	75.1	.857	.57	89.0	86.0	SW b W	0.4					
2 „	.708	.799	93.6	81.3	12.3	76.9	.909	.60	89.5	86.1	„	0.5					
3 „	.700	.734	93.6	82.6	11.0	78.9	.966	.64	89.6	86.3	WSW	0.4					
4 „	.688	.742	93.0	82.0	11.0	78.2	.946	.63	89.0	86.4	SW b W	0.3					
5 „	.695	.800	90.5	80.2	10.3	76.5	.895	.65	88.3	86.5	SW	0.2					
6 „	.706	.818	87.2	79.2	8.0	76.2	.888	.71	87.0	86.6	„	0.1					
7 „	.712	.834	85.0	78.4	6.6	75.9	.878	.75	85.4	86.5	SW b S	0.2					
8 „	.726	.839	84.2	78.4	5.8	76.2	.887	.78	85.0	86.2	SSW	0.1					
9 „	.739	.863	83.7	78.0	5.7	75.8	.876	.78	84.5	86 0	SW	0.3					
10 „	.741	.863	83.5	78.0	5.5	75.9	.878	.79	84.2	85.9	„	0.2					
11 „	.729	.866	83.1	77.5	5.6	75.3	.863	.78	83.9	85.8	„	0.3					
May 9th-Midnight	.720	.874	82.8	77.0	5.8	74.7	.846	.77	83.6	85.6	SW b W	0.1					
1 a. m.	.710	.848	82.5	77.3	5.2	75.3	.862	.80	83.3	85.5	„	0.2					
2 „	.706	.844	82.5	77.3	5.2	75.3	.862	.80	83.0	85.5	„	0.1					
3 „	.700	.815	82.0	77.5	4.5	76.1	.875	.82	82.9	85.4	„	0.1					
4 „	.699	.821	81.8	77.5	4.3	75.9	.878	.83	82.5	85.4	„	0.2					
5 „	.711	.874	81.5	76.4	5.1	74.4	.837	.80	82.3	85.3	„	0.1					
6 „	.735	.880	82.0	77.0	5.0	75.0	.855	.80	83.0	85.1	„	0.1					
7 „	.761	.916	84.8	77.5	7.3	74.7	.845	.73	84.0	85.1	WSW	0.1					
8 „	.777	.951	86.5	77.5	9.0	74.0	.826	.67	85.0	85.2	„	0.1					
9 „	.779	.983	87.4	77.0	10.4	72.8	.796	.63	85.5	85.4	W b S	0.2					
10 „	.776	.965	87.9	77.5	10.4	73.4	.811	.63	86.2	85.5	W	0.4					
11 „	.766	.933	90.0	78.6	11.4	74.2	.833	.61	87.0	85.6	WSW	0.2					
Noon.	.750	.874	92.1	80.1	12.0	75.8	.876	.60	88.0	85.7	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.726	.839	92.4	80.5	11.9	76.2	.887	.60	88.2	85.8	„	0.4					
2 „	.713	.804	93.6	81.3	12.3	76.9	.909	.60	89.0	86.0	„	0.3					
3 „	.709	.811	93.4	81.0	12.4	76.6	.898	.59	89.0	86.2	„	0.4					
4 „	.698	.785	92.0	81.0	11.0	77.1	.913	.63	88.9	86.4	SW b W	0.5					
5 „	.706	.857	90.0	79.0	11.0	74.8	.849	.62	88.0	86.5	WSW	0.3					
6 „	.721	.887	87.5	78.0	9.5	74.3	.834	.66	86.8	86.4	„	0.3					
7 „	.727	.890	85.5	77.5	8.0	74.4	.837	.70	85.5	86.3	SW b W	0.4					
8 „	.743	.877	84.6	78.0	6.6	75.4	.866	.75	85.0	86.2	WSW	0.3					
9 „	.754	.881	84.0	78.0	6.0	75.7	.873	.77	84.6	86.0	„	0.2					
10 „	.762	.925	83.6	77.0	6.6	74.4	.837	.75	84.3	85.9	W b S	0.1					
11 „	.762	.918	83.0	77.0	6.0	74.6	.844	.77	83.7	85.8	„	0.2					
May 11th-Midnight	.721	.866	82.0	77.0	5.0	75.0	.855	.80	82.7	85.4	NW b N	0.1					
1 a. m.	.712	.852	81.5	77.0	4.5	75.2	.860	.82	82.3	85.3	NNW	0.1					
2 „	.693	.851	80.4	76.2	4.2	74.6	.842	.83	82.0	85.2	„	0.1					
3 „	.694	.805	80.4	77.4	3.0	76.3	.889	.88	81.7	85.1	„	0.2					
4 „	.698	.809	80.4	77.4	3.0	76.3	.889	.88	81.7	85.0	N b W	0.3					
5 „	.715	.856	80.2	76.6	3.6	75.2	.859	.85	81.2	84.9	N b E	0.1	None.	None.	None.	None.	None.
6 „	.735	.869	81.0	77.0	4.0	75.4	.866	.84	81.3	84.7	NE b N	0.1					
7 „	.764	.888	83.7	78.0	5.7	75.8	.876	.78	83.0	84.8	„	0.1					
8 „	.774	.896	85.5	78.5	7.0	75.9	.878	.74	84.3	84.9	NE b E	0.1					
9 „	.780	.938	86.8	78.0	8.8	74.6	.842	.68	85.0	85.0	„	0.2					
10 „	.778	.907	88.0	79.0	9.0	75.6	.871	.68	85.6	85.1	N b W	0.3					
11 „	.754	.854	89.2	80.0	9.2	76.6	.900	.67	86.3	85.3	NW b N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
4	B	≀≀ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°4. Temperature of Evaporation at 3 P.M. was 82°6 greatest in the month and about 2°2 greater than the Normal Mean.
5	G	" "	
6	G	≀≀ scattered throughout moving ESE.	
6	G	≀≀ scattered about moving SE.	
7	G	" "	
7	C	" "	
7	C	≀≀ and ≀≀ scattered about, both moving SE; mist along E hor.	
5	C	" " "	
5	C	" " "	
1	B	≀≀ scattered around hor.	
1	B	" "	
1	B	≀≀ scattered here and there moving E.	
1	B	≀≀ scattered in N hemisphere.	
1	G	"	
4	G	≀≀ and ≀≀ scattered about, the former moving NNE.	
4	G	Clouded as before.	
4	G	" "	
4	C	" "	
4	C	" "	
4	C	≀≀ and ≀≀ scattered about, the former moving NE.	
3	C	" " "	
4	B	≀≀ scattered about moving NE.	
3	B	" "	
2	B	" "	
2	B	≀≀ scattered about moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°6.
4	G	" "	
4	G	" "	
4	G	" "	
5	G	" "	
5	C	≀≀ and ≀≀ scattered about, the former moving NE.	
5	C	≀≀ scattered about moving NE; mist along E hor.	
4	C	" " "	
3	C	" " "	
2	B	≀≀ scattered along E hor.	
2	B	" "	
2	B	Light ≀≀ scattered about moving ENE.	
1	B	Light ≀≀ scattered about.	
2	G	≀≀ scattered about moving NE.	
4	G	≀≀ scattered about moving NE.	
5	G	Clouded as before.	
5	G	" "	
3	B	" "	
5	B	" "	
5	B	" "	
4	B	" "	
4	B	" "	
4	B	" "	
4	B	" "	
4	B	≀≀ scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°6.
2	G	≀≀ scattered about hor.; dew falling.	
2	G	" "	
6	G	≀≀ scattered about moving SE.	
6	G	" "	
4	C	≀≀ scattered about moving E.	
2	C	≀≀ scattered about hor.; mist along E hor.	
2	C	" "	
5	C	≀≀ scattered about moving SE.	
2	B	" "	
0	B	A few ≀≀ in hor.	
1	B	≀ scattered along E hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 11th-Noon.	29.745	28.834	90°6	80°6	10°0	77°0	0.911	0.66	87°2	85°5	NW	0.5					
1 p. m.	.718	.807	91.0	80.7	10.3	77.0	.911	.65	87.5	85.6	W b N	0.5					
2 „	.696	.779	91.6	81.0	10.6	77.2	.917	.64	87.6	85.8	„	0.4					
3 „	.682	.762	91.4	81.0	10.4	77.3	.920	.64	87.0	85.9	„	0.5					
4 „	.678	.810	91.2	80.0	11.2	75.5	.868	.62	86.5	86.0	„	0.4					
5 „	.692	.816	89.9	79.6	10.3	75.8	.876	.64	86.6	86.1	„	0.1					
6 „	.703	.863	87.0	78.0	9.0	74.5	.840	.67	86.2	86.1	WNW	0.2	None.	None.	None.	None.	None.
7 „	.717	.875	85.0	77.5	7.5	74.6	.842	.72	85.0	86.0	NW b W	0.2					
8 „	.729	.871	84.2	77.7	6.5	75.1	.858	.75	84.5	85.8	„	0.7					
9 „	.736	.833	83.6	78.6	5.0	76.7	.903	.81	84.1	85.6	WNW	0.4					
10 „	.749	.842	83.2	78.6	4.6	76.9	.907	.82	83.9	85.5	„	0.3					
11 „	.737	.827	82.6	78.5	4.1	77.0	.910	.84	83.4	85.5	NW b W	0.2					
May 12th-Midnight	.724	.832	82.3	78.0	4.3	76.4	.892	.83	83.0	85.4	NW b W	0.2					
1 a. m.	.700	.805	82.0	78.0	4.0	76.5	.895	.84	82.7	85.3	NW	0.4					
2 „	.695	.817	81.8	77.5	4.3	75.9	.878	.83	82.5	85.3	NW b N	0.5					
3 „	.690	.831	81.6	77.0	4.6	75.2	.859	.82	82.3	85.2	„	0.5					
4 „	.691	.829	81.4	77.0	4.4	75.3	.862	.82	82.0	85.1	NNW	0.5					
5 „	.703	.865	81.4	76.4	5.0	74.4	.838	.80	81.7	85.0	N b W	0.4					
6 „	.730	.912	81.8	76.0	5.8	73.6	.818	.77	82.0	84.8	N b E	0.3					
7 „	.747	.914	84.0	77.0	7.0	74.2	.833	.73	83.0	84.9	NE b N	0.1					
8 „	.764	.948	85.5	77.0	8.5	73.6	.816	.69	84.7	85.0	NNE	0.1					
9 „	.769	.944	86.6	77.5	9.1	73.9	.825	.67	85.2	85.0	N b W	0.3					
10 „	.766	.940	88.3	78.0	10.3	74.0	.826	.64	86.0	85.2	„	0.2					
11 „	.757	.961	89.2	77.5	11.7	72.8	.796	.61	86.5	85.4	„	0.2					
Noon.	.738	.931	90.0	78.0	12.0	73.2	.807	.59	86.9	85.5	NW	0.2	None.	None.	None.	None.	None.
1 p. m.	.724	.927	90.2	77.8	12.4	72.9	.797	.58	87.4	85.6	W b N	0.1					
2 „	.699	.938	90.5	77.0	13.5	71.4	.761	.55	87.5	85.8	„	0.3					
3 „	.683	.887	91.0	78.0	13.0	72.8	.796	.57	87.6	85.8	W	0.5					
4 „	.672	.827	90.4	79.0	11.4	74.7	.845	.61	87.0	85.8	„	0.4					
5 „	.684	.872	88.8	77.8	11.0	73.4	.812	.62	86.5	85.9	„	0.2					
6 „	.692	.856	85.9	77.6	8.3	74.3	.836	.69	86.0	85.9	W b N	0.2					
7 „	.701	.888	84.0	76.5	7.5	73.5	.813	.72	84.5	85.8	W	0.3					
8 „	.708	.868	83.4	77.0	6.4	74.5	.840	.75	84.0	85.6	„	0.3					
9 „	.708	.883	83.3	76.6	6.7	73.9	.825	.74	83.8	85.5	W b N	0.4					
10 „	.711	.903	82.6	76.0	6.6	73.3	.808	.75	83.3	85.4	NW b W	0.5					
11 „	.706	.872	82.1	76.5	5.6	74.3	.834	.78	83.0	85.4	„	0.4					
May 13th-Midnight	.688	.872	82.0	76.0	6.0	73.6	.816	.77	82.6	85.2	NW b W	0.3					
1 a. m	.684	.864	81.6	76.0	5.6	73.7	.820	.78	82.2	85.2	„	0.2					
2 „	.681	.861	81.6	76.0	5.6	73.7	.820	.78	82.0	85.1	NW b N	0.3					
3 „	.673	.853	81.6	76.0	5.6	73.7	.820	.78	82.0	85.0	„	0.2					
4 „	.681	.861	81.6	76.0	5.6	73.7	.820	.78	82.0	84.9	„	0.3					
5 „	.689	.862	81.0	76.0	5.0	74.0	.827	.80	82.0	84.8	„	0.1					
6 „	.710	.894	82.0	76.0	6.0	73.6	.816	.77	81.8	84.6	N b E	0.1					
7 „	.723	.899	83.8	76.7	7.1	73.9	.824	.73	83.4	84.7	NNE	0.2					
8 „	.748	.922	85.4	77.2	8.2	74.0	.826	.69	84.0	84.7	„	0.1					
9 „	.749	.912	87.3	78.0	9.3	74.4	.837	.67	85.0	84.9	N b W	0.2					
10 „	.755	.928	88.2	78.0	10.2	74.0	.827	.64	86.0	85.1	NNW	0.2	None.	None.	None.	None.	None.
11 „	.740	.903	89.6	78.6	11.0	74.4	.837	.62	86.6	85.3	NW b N	0.3					
Noon.	.720	.878	90.6	79.0	11.6	74.6	.842	.61	87.1	85.4	WNW	0.2					
1 p. m.	.693	.853	90.8	79.0	11.8	74.5	.840	.60	87.4	85.6	„	0.3					
2 „	.678	.834	91.2	79.2	12.0	74.6	.844	.59	87.5	85.7	„	0.4					
3 „	.660	.850	90.8	78.3	12.5	73.3	.810	.58	87.0	85.8	„	0.3					
4 „	.651	.802	90.0	79.0	11.0	74.8	.849	.62	87.0	85.8	W b N	0.4					
5 „	.665	.831	88.3	78.2	10.1	74.3	.834	.64	86.5	86.0	„	0.3					
6 „	.676	.825	86.0	78.0	8.0	74.9	.851	.70	86.0	85.9	„	0.2					
7 „	.693	.851	84.3	77.3	7.0	74.6	.842	.73	84.5	85.8	„	0.4					
8 „	.704	.860	83.7	77.2	6.5	74.6	.844	.75	84.0	85.7	WNW	0.5					
9 „	.718	.854	83.3	77.6	5.7	75.4	.864	.78	83.8	85.5	W b W	0.5					
10 „	.720	.875	82.9	77.0	5.9	74.7	.845	.77	83.5	85.5	NW	0.7					
11 „	.717	.859	82.5	77.2	5.3	75.1	.858	.79	83.3	85.4	„	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀⌣ nimbi.	
1	B	≀ scattered along E hor.	
2	G	Fleecy clouds scattered about moving ESE.	
4	G	Fleecy clouds scattered about moving SE.	
4	G	Fleecy clouds scattered about moving SSE.	
4	G	" "	
2	C	" "	
4	C	" "	
4	C	Fleecy clouds scattered about moving SE.	
0	C	A few ≀ around hor.	
0	B	Cloudless.	
1	B	Fleecy clouds scattered about moving E.	
1	B	Fleecy clouds scattered about moving ESE.	
2	B	Fleecy clouds scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°7.
4	G	Fleecy clouds scattered about moving SE.	
4	G	" "	
6	G	Fleecy clouds scattered about moving SE.	
6	G	" "	
6	C	" "	
6	C	Fleecy clouds scattered about; light mist along E hor.	
6	C	" " "	
6	C	" " "	
6	B	≀ and fleecy clouds scattered about, the latter moving SE.	
6	B	Clouded as before.	
7	B	Densely clouded with ≀ and fleecy clouds.	
7	B	" "	
7	G	" "	
7	G	" "	
7	G	" "	
6	G	≀ scattered about moving E.	
6	C	" "	
5	C	" "	
4	C	" "	
0	C	A few ≀ scattered around hor.	
1	B	Fleecy clouds scattered around hor.	
2	B	Fleecy clouds scattered about moving E.	
3	B	Fleecy clouds scattered about moving ESE.	
3	B	Fleecy clouds scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°9 and 85°7.
3	G	" "	
5	G	Fleecy clouds scattered about moving SE.	
5	G	" "	
5	G	" "	
5	C	Fleecy clouds scattered about moving SSE	
5	C	" "	
4	C	Clouded as before; light mist along E hor.	
4	C	" "	
6	B	" "	
7	B	≀ and fleecy clouds scattered about, the latter moving SE.	
6	B	Clouded as before.	
7	B	" "	
7	G	≀ scattered throughout; ≀≀ in N hor.	
6	G	" "	
6	G	A few pieces of ≀≀ in NE and N hor.; ≀ scattered throughout.	
6	G	Clouded as before.	
6	C	" "	
6	C	" "	
6	C	" "	
1	C	≀ scattered about hor.	
2	B	Fleecy clouds scattered about moving SE.	
3	B	" "	
3	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 14th-Midnight	29.693	28.841	82°3	77°0	5°3	74°9	0.852	0.79	83°0	85°3	NW b N	0.6					
1 a. m.	.688	.827	82.2	77.2	5.0	75.2	.861	.80	82.9	85.2	,,	0.4					
2 ,,	.680	.825	82.0	77.0	5.0	75·0	.855	.80	82.5	85.1	NNW	0.3					
3 ,,	.669	.811	81.8	76.9	4.9	75.1	.858	.81	82.1	85.0	,,	0.5					
4 ,,	.667	.821	81.8	76.7	5.1	74.7	.846	.80	82.0	84.9	,,	0.0					
5 ,,	.681	.839	81.0	76.4	4.6	74.6	.842	.82	81.8	84.8	N b E	0.1					
6 ,,	.702	.861	81.5	76.5	5.0	74.5	.841	.80	82.0	84.7	,,	0.1					
7 ,,	.724	.872	83.8	77.4	6.4	74.9	.852	.76	83.2	84.8	NNE	0.1					
8 ,,	.728	.886	85.0	77.5	7.5	74.6	.842	.72	84.4	84.9	N	0.1					
9 ,,	.733	.899	87.5	78.0	9.5	74.3	.834	.66	85.6	85.0	NNW	0.2	None.	None.	None.	None.	None.
10 ,,	.731	.880	88.7	78.7	10.0	74.9	.851	.65	86.2	85.2	NW b N	0.4					
11 ,,	.728	.876	89.7	79.0	10.7	74.9	.852	.63	86.9	85.4	,,	0.4					
Noon.	.722	.875	90.2	79.0	11.2	74.7	.847	.62	87.2	85.5	NW b W	0.5					
1 p. m.	.703	.841	90.4	79.4	11.0	75.3	.862	.62	87.3	85.6	WNW	0.6					
2 ,,	.698	.828	90.0	79.5	10.5	75.6	.870	.64	87.0	85.7	W b N	0.5					
3 ,,	.681	.789	90.0	80.0	10.0	76.4	.892	.65	87.0	85.8	,,	0.6					
4 ,,	.672	.796	89.9	79.6	10.3	75.8	.876	.64	87.0	85.9	WNW	0.7					
5 ,,	.677	.821	87.5	78.5	9.0	75.1	.856	.68	86.4	86.0	,,	0.9					
6 ,,	.684	.822	85.0	78.0	7.0	75.3	.862	.74	85.0	85.8	N W b W	1.0					
7 ,,	.697	.827	83.5	77.8	5.7	75·6	.870	.78	84.6	85.7	,,	1.1					
8 ,,	.703	.821	83.2	78.0	5.2	76.0	.882	.80	84.4	85.6	,,	0.8					
9 ,,	.709	.825	83.0	78.0	5.0	76.1	.884	.80	83.5	85.5	NW	0.7					
10 ,,	.727	.839	82.6	78.0	4.6	76.2	.888	.82	83.4	85.4	N W b N	0.8					
11 ,,	.717	.847	82.5	77.5	5.0	75.6	.870	.80	83.1	85.3	NNW	0.6					
May 15th-Midnight	.690	.838	82.3	77.0	5.3	74.9	.852	.79	83.0	85.3	N W b N	0.7					
1 a. m.	.684	.829	82.0	77.0	5.0	75.0	.855	.80	82.7	85.2	NNW	0.6					
2 ,,	.671	.816	82.0	77·0	5.0	75·0	.855	.80	82.5	85.1	,,	0.4					
3 ,,	.656	.814	80.4	76.2	4.2	74.6	.842	.83	82.0	85.0	N b E	0.2					
4 ,,	.660	.822	80.0	76.0	4.0	74.4	.838	.84	81.1	84.9	,,	0.2					
5 ,,	.683	.831	79.5	76.2	3.3	74.9	.852	.86	80.7	84.8	,,	0.0					
6 ,,	.701	.857	80.2	76.2	4.0	74.6	.844	.84	80.7	84.7	,,	0.1					
7 ,,	.732	.859	84.0	78.0	6.0	75.7	.873	.77	83.5	84.7	,,	0.1					
8 ,,	.763	.889	85.4	78.4	7.0	75.7	.874	.74	84.5	84.9	NW	0.1					
9 ,,	.772	.902	86.6	78.6	8.0	75.6	.870	.71	85.1	85.0	S	0.2					
10 ,,	.780	.946	87.5	78.0	9.5	74.3	.834	.66	85.5	85.2	W b N	0.2					
11 ,,	.765	.947	89.0	78.0	11.0	73.6	.818	.62	86.5	85.4	W	0.3	None.	None.	None.	None.	None.
Noon.	.750	.915	89.8	78.6	11.2	74.3	.835	.62	86.6	85.4	,,	0.2					
1 p. m.	.723	.880	90.5	79.0	11.5	74.6	.843	.61	87.0	85.5	WNW	0.3					
2 ,,	.709	.834	90.8	79.8	11.0	75.8	.875	.63	87.0	85.7	,,	0.6					
3 ,,	.686	.837	90.0	79.0	11.0	74.8	.849	.62	87.0	85.8	,,	0.6					
4 ,,	.672	.820	89.7	79.0	10.7	74.9	.852	.63	86.5	85.8	,,	0.7					
5 ,,	.679	.799	88.3	79.3	9.0	75.9	.880	.68	86.3	85.9	NW b W	0.4					
6 ,,	.683	.811	85.6	78.4	7.2	75.6	.872	.73	85.7	85.9	,,	0.3					
7 ,,	.691	.818	84.0	78.0	6.0	75.7	.873	.77	85.0	85.8	NW	0.3					
8 ,,	.708	.830	83.5	78.0	5.5	75.9	.878	.79	84.2	85.6	NW b W	0.2					
9 ,,	.717	.839	83.5	78.0	5.5	75.9	.878	.79	84.0	85.5	,,	0.7					
10 ,,	.730	.846	83.0	78.0	5.0	76.1	.884	.80	83.6	85.4	NW b N	0.7					
11 ,,	.748	.831	82.7	78.0	4.7	76.2	.887	.82	83.3	85.4	,,	0.8					
May 16th-Midnight	.693	.826	82.6	77.6	5.0	75.6	.872	.80	83.2	85.3	NNW	0.8					
1 a. m.	.690	.818	82.6	77.6	5.0	75.6	.872	.80	83.1	85.2	N b W	0.7					
2 ,,	.684	.820	81.2	77.0	4.2	75.4	.864	.83	82.0	85.1	N b E	0.6					
3 ,,	.672	.799	80.4	77.0	3.4	75.7	.873	.86	81.8	85.0	,,	0.5	None.	None.	None.	None.	None.
4 ,,	.675	.798	80.0	77.0	3.0	75.8	.877	.88	81.0	84.9	,,	0.1					
5 ,,	.681	.804	80.0	77.0	3.0	75.8	.877	.88	80.8	84.9	,,	0.1					
6 ,,	.710	.822	80.5	77.4	3.1	76.2	.888	.87	81.0	84.8	,,	0.1					
7 ,,	.732	.829	83 6	78.6	5.0	76.7	.903	.81	83.0	84.9	,,	0.1					
8 ,,	.761	.845	85.4	79.4	6.0	77.2	.916	.77	85.0	85.0	,,	0.2					
9 ,,	.781	.853	86.6	80.0	6.6	77.6	.928	.76	85.5	85.1	NE b N	0 2					
10 ,,	.783	.867	88.6	80.3	8.3	77.2	.916	.70	86.3	85.2	SW	0.3					
11 ,,	.766	.860	89.4	80.2	9.2	76.8	.906	.67	86.5	85.4	W b N	0 2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇i cirri; ⌇⌇i cirro-cumuli; ⌒i cumuli; ⌣i cirro-strati; ⌒⌣i cumulo-strati; and ⌇⌣i nimbi.	
4	B	Fleecy clouds scattered about moving SSE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°9 and 85°8.
5	G	Fleecy clouds scattered about moving SE.	
5	G	" "	
6	G	" "	
6	G	" "	
6	C	" "	
6	C	Fleecy clouds and ⌇i scattered about, the former moving SE; light mist along E hor.	
6	C	Clouded as before.	
7	C	" "	
7	B	⌇i and fleecy clouds scattered about, the latter moving SSE.	
6	B	Clouded as before.	
7	B	" "	
6	B	" "	
7	G	" "	
7	G	" "	
7	G	Fleecy clouds and ⌇i scattered about, the former moving SE.	
7	G	Clouded as before.	
3	C	⌇⌇i and ⌇i scattered about, the former moving SE.	
3	C	⌇i and ⌇⌇i scattered about hor.	
3	C	" "	
0	C	A few ⌇i around hor.	
2	B	Fleecy clouds scattered about moving ESE.	
2	B	" " "	
2	B	" " "	
3	B	Fleecy clouds scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°0 and 85°9. The temperature of External and Free Air at 5 A.M. 79°5 lowest during the month and about 1°9 lower than the Normal Mean.
5	G	" " "	
5	G	" " "	
5	G	Fleecy clouds and ⌇i scattered about; dew falling.	
5	G	Fleecy clouds scattered about moving SE; mist in hor.	
6	C	⌇i and fleecy clouds scattered about; mist in hor.	
6	C	" " "	
6	C	" " "	
6	C	" " "	
5	B	Fleecy clouds scattered about moving SSE.	
5	B	Fleecy clouds scattered about moving E.	
1	B	Fleecy clouds scattered about moving E.	
0	B	A few pieces of ⌇i and ⌇⌇i in hor.	
0	G	" "	
4	G	Fleecy clouds scattered about moving SE.	
4	G	" "	
2	G	Fleecy clouds and ⌇i scattered here and there.	
3	C	" " "	
3	C	" " "	
5	C	⌇i scattered about moving ESE.	
1	C	⌇i scattered about hor.	
1	B	Fleecy clouds scattered about hor.	
4	B	Fleecy clouds scattered about moving ESE.	
3	B	" " "	
2	B	Fleecy clouds scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°0 and 85°9.
2	G	" " "	
2	G	" " "	
2	G	Fleecy clouds scattered about; dew falling.	
2	G	" " "	
2	C	" " "	
3	C	Fleecy clouds and ⌇i scattered about, the former moving SSE.	
5	C	⌇i and fleecy clouds scattered about moving SSE; mist along E hor.	
7	C	Clouded as before but the motion of clouds was SE.	
6	B	Clouded as before but the motion of clouds was SSE.	
4	B	Fleecy clouds scattered about moving E.	
5	B	⌇i and fleecy clouds scattered about.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in Seconds between same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 16th-Noon.	29.745	28.839	90°2	80°4	9.8	76°8	0.906	0.67	87°0	85°5	WNW	0.3					
1 p. m.	.716	.854	90.4	79.4	11.0	75.3	.862	.62	87.0	85.6	NW b W	0.5					
2 „	.689	.840	90.0	79.0	11.0	74.8	.849	.62	87.0	85.8	„	0.7					
3 „	.652	.779	89.8	79.5	10.3	75.7	.873	.64	87.0	85.8	„	0.7					
4 „	.641	.741	89.2	80.0	9.2	76.6	.900	.67	86.8	85.9	„	0.7					
5 „	.645	.732	88.0	80.0	8.0	77.1	.913	.71	86.4	86.0	NW	0.5	None.	None.	None.	None.	None.
6 „	.658	.735	85.6	79.6	6.0	77.4	.923	.77	86.0	86.0	NW b W	0.6					
7 „	.664	.749	84.0	79.0	5.0	77.2	.915	.81	84.7	85.8	„	0.9					
8 „	.676	.781	83.5	78.4	5.1	76.5	.895	.80	84.0	85.7	„	1.0					
9 „	.698	.839	83.5	77.5	6.0	75.2	.859	.77	83.6	85.6	NW	0.7					
10 „	.698	.837	83.3	77.5	5.8	75.2	.861	.77	83.4	85.5	„	0.8					
11 „	.691	.807	83.0	78.0	5.0	76.1	.884	.80	83.2	85.5	NW b N	0.9					
May 18th-Midnight	.633	.745	82.6	78.0	4.6	76.2	.888	.82	83.1	85.2	NW	0.6					
1 a. m.	.622	.752	82.5	77.5	5.0	75.6	.870	.80	83.0	85.2	„	0.7					
2 „	.610	.736	82.4	77.6	4.8	75.7	.874	.81	82.8	85.1	NW b N	0.7					
3 „	.603	.748	82.0	77.0	5.0	75.0	.855	.80	82.7	85.0	„	0.6					
4 „	.603	.748	82.0	77.0	5.0	75.0	.855	.80	82.6	85.0	„	0.3					
5 „	.623	.742	81.8	77.6	4.2	76.0	.881	.83	82.3	85.0	„	0.2					
6 „	.651	.756	82.0	78.0	4.0	76.5	.895	.84	82.0	84.8	„	0.1					
7 „	.684	.788	83.7	78.4	5.3	76.4	.893	.80	83.5	84.7	„	0.1					
8 „	.700	.807	86.0	79.0	7.0	76.4	.893	.74	85.0	84.9	NW	0.1					
9 „	.711	.826	87.5	79.2	8.3	76.1	.885	.70	85.5	85.0	NW b W	0.3					
10 „	.718	.855	88.7	79.0	9.7	75.3	.863	.66	86.1	85.2	W b N	0.2					
11 „	.708	.850	89.9	79.2	10.7	75.1	.858	.63	87.0	85.3	„	0.3					
Noon.	.695	.852	90.5	79.0	11.5	74.6	.843	.61	87.5	85.5	WNW	0.3	None.	None.	None.	None.	None.
1 p. m.	.670	.811	91.0	79.5	11.5	75.2	.859	.61	87.8	85.6	„	0.4					
2 „	.649	.768	91.0	80.0	11.0	76.0	.881	.63	87.8	85.8	NW b W	0.5					
3 „	.619	.714	90.4	80.4	10.0	76.8	.905	.65	87.5	85.9	„	0.5					
4 „	.611	.719	90.0	80.0	10.0	76.4	.892	.65	87.0	86.0	NW	0.6					
5 „	.617	.731	88.6	79.5	9.1	76.1	.886	.68	86.8	86.0	NW b W	0.2					
6 „	.627	.746	85.6	78.6	7.0	76.0	.881	.74	86.0	86.0	NW	0.2					
7 „	.637	.743	84.0	78.5	5.5	76.4	.894	.79	84.8	85.8	NW b N	0.2					
8 „	.656	.736	83.5	79.0	4.5	77.3	.920	.82	84.4	85.7	NW	0.2					
9 „	.663	.773	83.2	78.2	5.0	76.3	.890	.80	84.0	85.6	„	0.3					
10 „	.671	.773	82.8	78.3	4.5	76.6	.898	.82	83.6	85.5	„	0.5					
11 „	.667	.779	82.6	78.0	4.6	76.2	.888	.82	83.1	85.4	„	0.7					
May 19th-Midnight	.653	.764	82.5	78.0	4.5	76.3	.889	.82	83.0	85.4	NW b N	0.5					
1 a. m.	.652	.757	82.0	78.0	4.0	76.5	.895	.84	82.5	85.3	„	0.3					
2 „	.640	.758	81.6	77.5	4.1	76.0	.882	.84	82.3	85.3	„	0.2					
3 „	.629	.747	81.6	77.5	4.1	76.0	.882	.84	82.3	85.2	„	0.2					
4 „	.639	.777	81.4	77.0	4.4	75.3	.862	.82	82.0	85.1	„	0.1					
5 „	.654	.788	81.0	77.0	4.0	75.4	.866	.84	81.8	84.9	„	0.1					
6 „	.678	.813	81.8	77.2	4.6	75.4	.865	.82	81.8	84.8	„	0.1					
7 „	.704	.851	83.3	77.3	6.0	75.0	.853	.77	82.4	84.9	„	0.1					
8 „	.733	.902	85.7	77.4	8.3	74.1	.831	.69	84.0	84.9	„	0.1					
9 „	.749	.916	87.6	78.0	9.6	74.2	.833	.66	85.0	85.0	NNW	0.2					
10 „	.755	.939	89.2	78.0	11.2	73.6	.816	.61	86.2	85.2	W	0.2					
11 „	.748	.912	89.7	78.5	11.2	74.3	.836	.62	86.5	85.4	W b S	0.3					
Noon.	.735	.894	90.7	79.0	11.7	74.5	.841	.60	87.1	85.6	W b N	0.2	None.	None.	None.	None.	None.
1 p. m.	.708	.881	92.0	79.0	13.0	74.0	.827	.57	87.8	85.7	W	0.3					
2 „	.687	.866	91.8	78.8	13.0	73.8	.821	.57	87.7	85.8	W b S	0.2					
3 „	.676	.855	91.8	78.8	13.0	73.8	.821	.57	87.6	85.8	„	0.2					
4 „	.660	.863	90.2	77.8	12.4	72.9	.797	.58	87.0	85.9	„	0.2					
5 „	.664	.860	89.5	77.8	11.7	73.1	.804	.60	87.0	85.9	W	0.1					
6 „	.673	.869	86.6	77.0	9.6	73.1	.804	.66	86.0	85.9	W b N	0.1					
7 „	.682	.868	84.7	76.7	8.0	73.5	.814	.70	85.0	85.8	W	0.1					
8 „	.695	.873	84.0	76.7	7.3	73.8	.822	.72	84.6	85.6	„	0.1					
9 „	.705	.895	83.3	76.2	7.1	73.3	.810	.73	83.8	85.5	„	0.0					
10 „	.718	.913	83.0	76.0	7.0	73.2	.805	.73	83.6	85.5	„	0.2					
11 „	.712	.904	82.7	76.0	6.7	73.3	.808	.74	83.3	85.4	W b N	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Nota.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
3	B	≀≀ around hor.; ≀ scattered about.	
3	G	" " "	
4	G	≀ and ≀≀ scattered about, the latter moving SE.	
4	G	" " "	
6	G	" " "	
6	C	Densely clouded with ≀≀ moving E.	
6	C	" " "	
5	C	" " "	
4	C	Fleecy clouds scattered about hor. moving SE.	
3	C	" " "	
2	C	" " "	
2	C	" " "	
5	B	Fleecy clouds scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°0 and 86°0. At 3 and 4 A.M. the height of Barometer was 29·603 in. smallest during the month and about 0·083 in. smaller than the Normal height for the hour.
5	G	Clouded as before.	
5	G	" "	
6	G	" "	
6	G	" "	
6	C	" "	
6	C	Fleecy clouds scattered about; mist along E hor.	
4	C	" " " "	
5	C	" " " "	
3	B	Fleecy clouds scattered about moving E.	
3	B	" " "	
6	B	≀ and ≀≀ scattered about, the latter moving E.	
6	B	" " "	
5	G	≀ and ≀≀ scattered about, the latter moving SE.	
5	G	" " "	
6	G	" " "	
6	G	" " "	
6	C	≀ and ≀≀ scattered about, the latter moving ESE.	
6	C	≀≀ scattered about moving ESE.	
5	C	" "	
4	C	" "	
3	B	≀≀ scattered about hor. moving ESE.	
3	B	" "	
4	B	" "	
3	B	≀≀ scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°1 and 86°0.
4	G	≀≀ scattered about moving SE.	
4	G	" "	
3	G	≀≀ scattered about moving ESE.	
6	G	≀≀ scattered about moving SE.	
6	C	" "	
6	C	Clouded as before; mist along E hor.	
6	C	" " "	
6	C	" " "	
4	B	≀≀ scattered about moving ESE.	
4	B	≀≀ scattered about moving E.	
4	B	Clouded as before.	
5	B	" "	
6	G	" "	
6	G	" "	
6	G	" "	
6	G	" "	
6	G	" "	
5	C	" "	
4	C	" "	
4	C	" "	
4	C	" "	
3	B	" "	
2	B	" "	
3	B	≀≀ scattered about moving ENE.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 20th-Midnight	29.695	28.883	82°4	76°0	6°4	73°4	0.812	0.75	83°0	85°2	W b N	0.1					
1 a. m.	.689	.873	82.0	76.0	6.0	73.6	.816	.77	82.5	85.1	,,	0.0					
2 ,,	.684	.868	82.0	76.0	6.0	73.6	.816	.77	82.4	85.1	,,	0.1					
3 ,,	.688	.850	81.8	76.5	5.3	74.4	.838	.79	82.1	85.0	,,	0.2					
4 ,,	.690	.885	81.6	75.6	6.0	73.2	.805	.77	82.0	84.9	,,	0.2					
5 ,,	.708	.912	81.3	75.3	6.0	72.8	.796	.76	82.0	84.8	,,	0.1					
6 ,,	.728	.912	82.0	76.0	6.0	73.6	.816	.77	82.6	84.6	,,	0.1					
7 ,,	.748	.926	85.7	77.2	8.5	73.8	.822	.69	84.5	84.8	,,	0.1					
8 ,,	.759	.951	86.6	77.1	9.5	73.3	.808	.66	85.4	85.0	,,	0.1					
9 ,,	.768	.964	88.5	77.5	11.0	73.1	.804	.62	86.2	85.2	,,	0.2					
10 ,,	.772	.977	89.6	77.6	12.0	72.8	.795	.59	86.9	85.4	SW	0.2	None.	None.	None.	None.	None.
11 ,,	.763	.959	90.3	78.0	12.3	73.1	.804	.58	87.1	85.5	SW b S	0.3					
Noon.	.754	.951	91.5	78.3	13.2	73.1	.803	.56	87.9	85.6	SW b W	0.3					
1 p. m.	.723	.896	92.0	79.0	13.0	74.0	.827	.57	88.0	85.8	WSW	0.4					
2 ,,	.708	.868	92.8	79.5	13.3	74.5	.840	.57	88.8	85.9	,,	0.3					
3 ,,	.696	.856	92.8	79.5	13.3	74.5	.840	.57	88.8	86.0	,,	0.2					
4 ,,	.684	.814	92.0	80.0	12.0	75.6	.870	.60	88.5	86.1	,,	0.2					
5 ,,	.698	.849	90.0	79.0	11.0	74.8	.849	.62	88.0	86.2	SW b W	0.2					
6 ,,	.708	.875	87.3	77.9	9.4	74.2	.833	.66	87.0	86.3	,,	0.2					
7 ,,	.721	.890	85.3	77.3	8.0	74.1	.831	.70	85.7	86.2	,,	0.2					
8 ,,	.729	.888	84.4	77.3	7.1	74.5	.841	.73	85.0	86.1	,,	0.1					
9 ,,	.739	.906	84.0	77.0	7.0	74.2	.833	.73	84.6	86.0	,,	0.1					
10 ,,	.741	.905	83.7	77.0	6.7	74.3	.836	.74	84.3	85.7	,,	0.2					
11 ,,	.736	.899	83.6	77.0	6.6	74.4	.837	.75	84.2	85.6	WSW	0.3					
May 21st-Midnight	.728	.905	83.1	76.5	6.6	73.8	.823	.75	83.6	85.5	WSW	0.3					
1 a. m.	.722	.852	82.5	77.5	5.0	75.6	.870	.80	83.5	85.5	,,	0.4					
2 ,,	.718	.848	82.5	77.5	5.0	75.6	.870	.80	83.3	85.5	,,	0.2					
3 ,,	.710	.840	82.5	77.5	5.0	75.6	.870	.80	83.0	85.4	,,	0.3					
4 ,,	.712	.900	82.4	76.0	6.4	73.4	.812	.75	82.8	85.4	,,	0.1					
5 ,,	.717	.882	82.0	76.5	5.5	74.3	.835	.78	82.5	85.3	,,	0.1					
6 ,,	.733	.906	82.4	76.4	6.0	74.0	.827	.77	82.7	85.2	,,	0.1					
7 ,,	.755	.955	85.6	76.6	9.0	73.0	.800	.67	85.0	85.4	W b S	0.1					
8 ,,	.769	.957	87.4	77.4	10.0	73.4	.812	.64	86.0	85.5	,,	0.1					
9 ,,	.781	.961	88.8	78.0	10.8	73.7	.820	.62	86.5	85.6	,,	0.2					
10 ,,	.784	.954	90.2	78.6	11.6	74.1	.830	.60	87.0	85.6	,,	0.2					
11 ,,	.769	.934	91.3	79.0	12.3	74.3	.835	.59	88.0	85.8	,,	0.4	None.	None.	None.	None.	None.
Noon.	.753	.915	92.5	79.5	13.0	74.4	.838	.57	88.6	86.0	,,	0.4					
1 p. m.	.734	.875	93.0	80.0	13.0	75.2	.859	.57	89.0	86.2	WSW	0.3					
2 ,,	.711	.869	93.8	79.8	14.0	74.6	.842	.55	89.7	86.3	,,	0.2					
3 ,,	.683	.852	93.6	79.5	14.1	74.1	.831	.55	90.0	86.4	,,	0.3					
4 ,,	.675	.838	92.7	79.4	13.3	74.4	.837	.57	89.8	86.5	,,	0.3					
5 ,,	.691	.846	90.4	79.0	11.4	74.7	.845	.61	88.4	86.6	,,	0.3					
6 ,,	.701	.849	87.4	78.4	9.0	74.9	.852	.67	87.2	86.6	,,	0.2					
7 ,,	.709	.907	85.0	76.5	8.5	73.0	.802	.68	85.8	86.5	W b S	0.2					
8 ,,	.724	.916	84.5	76.5	8.0	73.3	.808	.70	84.6	86.3	,,	0.1					
9 ,,	.729	.894	83.8	77.0	6.8	74.3	.835	.74	84.0	86.2	SW b W	0.2					
10 ,,	.738	.916	83.2	76.5	6.7	73.8	.822	.74	83.8	86.2	,,	0.2					
11 ,,	.739	.915	83.0	76.5	6.5	73.9	.824	.75	83.5	86.0	SW	0.3					
May 22nd-Midnight	.730	.886	83.0	77.0	6.0	74.6	.844	.77	83.5	85.9	SW b S	0.7					
1 a. m.	.728	.892	82.7	76.7	6.0	74.3	.836	.77	83.3	85.8	SW	0.6					
2 ,,	.725	.855	82.5	77.5	5.0	75.6	.870	.80	83.0	85.6	SW b S	0.6					
3 ,,	.720	.891	82.6	76.5	6.1	74.1	.829	.76	82.8	85.6	,,	0.7					
4 ,,	.716	.907	82.6	76.0	6.6	73.3	.809	.75	82.8	85.6	SSW	0.6					
5 ,,	.734	.918	82.0	76.0	6.0	73.6	.816	.77	82.6	85.5	SW b S	0.5					
6 ,,	.750	.941	82.6	76.0	6.6	73.3	.809	.75	82.6	85.3	,,	0.4	None.	None.	None.	None.	None.
7 ,,	.772	.989	85.0	76.0	9.0	72.3	.783	.67	84.5	85.5	,,	0.2					
8 ,,	.785	.985	87.0	77.0	10.0	73.0	.800	.64	86.0	85.6	,,	0.2					
9 ,,	.791	.931	89.0	79.0	10.0	75.2	.860	.65	86.8	85.8	SSW	0.3					
10 ,,	.789	.947	90.6	79.0	11.6	74.6	.842	.61	87.6	86.0	SW b S	0.3					
11 ,,	.783	.953	91.7	79.0	12.7	74.1	.830	.58	88.4	86.1	SW	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
2	B	Dense ≀∪ scattered about moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°1 and 86°0.
2	G	" " "	
2	G	" " "	
3	G	" " "	
3	G	" " "	
2	C	Dense ≀∪ scattered about hor.; mist in NE hor.	
3	C	" " "	
4	C	≀∪ scattered about moving E.	
5	C	" " "	
2	B	≀∪ scattered about hor. moving E.	
2	B	≀∪ scattered about hor. moving NE.	
2	B	" "	
5	B	Clouded as before.	
5	G	" "	
5	G	" "	
5	G	" "	
6	G	" "	
5	C	" "	
5	C	" "	
5	C	" "	
5	C	" "	
2	B	" "	
2	B	" "	
3	B	" "	
0	B	A few patches of ≀∪ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 87°2 and 86°3.
1	G	≀∪ scattered along the E hor.	
1	G	" " "	
1	G	" " "	
2	G	≀∪ scattered about moving NE.	
3	G	≀∪ scattered about moving NE; mist along E hor.	
4	G	≀∪ scattered about moving NNE.	
4	C	" " "	
4	C	" " "	
3	B	≀∪ scattered about hor. moving NE.	
2	B	≀∪ scattered about hor. moving ENE.	
3	B	" " "	
4	B	≀∪ scattered about moving NE.	
4	C	" " "	
4	C	" " "	
4	C	≀∪ scattered about moving ENE.	
4	C	" " "	
5	C	≀∪ and fleecy clouds scattered about.	
5	C	" " "	
3	C	" " "	
3	C	" " "	
2	B	≀∪ scattered about moving ENE.	
2	B	" " "	
2	B	" " "	
2	B	Dense ≀∪ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 87°2 and 86°3.
2	G	" "	
2	G	" "	
4	G	≀∪ scattered about moving NNE; a few drops of rain fell at 3h. 42m.	22nd May was the 4th day on which the fall of rain was less than one cent.
6	G	≀∪ scattered about moving NE.	
4	C	Clouded as before; mist along E hor.	
4	C	" " "	
3	C	≀∪ scattered about hor.; mist along E hor.	
4	C	≀∪ around hor.; fleecy clouds scattered about; mist in NE hor.	
3	B	Dense fleecy clouds scattered about moving NE.	
4	B	Clouded as before.	
3	B	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers,			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 22nd-Noon.	29.762	28.922	92°8	79°5	13°3	74°5	0·840	0.57	89°0	86°3	SW b W	0.3					
1 p. m.	.737	.884	93.5	80.0	13.5	75.0	.853	.56	89.3	86.4	SW	0.4					
2 „	.710	.872	92.5	79.5	13.0	74.4	.843	.57	89.0	86.6	SW b S	0.6					
3 „	.696	.858	92.5	79.5	13.0	74.4	.843	.57	89.0	86.8	„	0.6					
4 „	.689	.819	92.0	80.0	12.0	75.6	.870	.60	89.0	86.8	„	0.5					
5 „	.691	.842	90.0	79.0	11.0	74.8	.849	.62	88.4	86.9	„	0.3					
6 „	.686	.832	86.8	78.3	8.5	75.0	.854	.69	87.0	86.9	„	0.5	None.	None.	None.	None.	None.
7 „	.688	.842	85.0	77.6	7.4	74.7	.846	.72	86.2	86.8	„	0.3					
8 „	.703	.853	84.6	77.6	7.0	74.8	.850	.74	85.6	86.6	„	0.2					
9 „	.723	.890	84.0	77.0	7.0	74.2	.833	.73	85.0	86.5	„	0.3					
10 „	.740	.884	83.8	77.5	6.3	75.1	.856	.76	84.6	86.4	„	0.2					
11 „	.732	.891	83.3	77.0	6.3	74.5	.841	.76	84.0	86.3	„	0.2					
May 23rd-Midnight	.727	29.886	83.3	77.0	6.3	74.5	.841	.76	84.0	86.2	SW b S	0.4					
1 a. m.	.718	.874	83.0	77.0	6.0	74.6	.844	.77	83.8	86.1	SSW	0.6					
2 „	.713	.790	83.3	79.0	4.3	77.4	.923	.83	83.8	85.9	„	1.2					
3 „	.720	.788	83.2	79.2	4.0	77.7	.932	.84	83.8	85.8	S b W	1.0					
4 „	.732	.812	83.5	79.0	4.5	77.3	.920	.82	84.0	85.8	„	1.2					
5 „	.768	.854	83.0	78.0	5.0	76.1	.884	.80	84.0	85.6	SW b S	0.8					
6 „	.765	.872	83.3	78.3	5.0	76.4	.893	.80	84.0	85.5	SSW	0.4					
7 „	.784	.910	85.4	78.4	7.0	75.7	.874	.74	85.0	85.7	SW b S	0.4					
8 „	.805	.901	87.7	79.7	8.0	76.8	.904	.71	86.4	85.9	„	0.4					
9 „	.816	.937	89.6	79.6	10.0	75.9	.879	.65	87.0	86.0	„	0.4					
10 „	.814	.931	90.3	80.0	10.8	76.0	.883	.63	87.6	86.2	SSW	0.4					
11 „	.804	.913	92.0	80.5	11.5	76.3	.891	.61	88.7	86.5	SW b S	0.5	None.	None.	None.	None.	None.
Noon.	.792	.927	93.2	80.2	13.0	75.4	.865	.57	89.7	86.6	SW	0.3					
1 p. m.	.765	.893	93.3	80.5	13.3	75.6	.872	.57	90.0	86.8	SW b W	0.4					
2 „	.737	.839	93.4	81.0	12.4	76.6	.898	.59	90.0	86.9	SW	0.4					
3 „	.716	.814	93.0	81.0	12.0	76.7	.902	.60	90.0	87.0	„	0.3					
4 „	.700	.862	92.5	79.5	13.0	74.4	.838	.57	89.8	87.1	SW b S	0·2					
5 „	.689	.784	90.4	80.4	10.0	76.8	.905	.65	89.5	87.2	SW	0.2					
6 „	.686	.794	90.0	80.0	10.0	76.4	.892	.65	89.0	87.2	SW b S	0.3					
7 „	.689	.826	88.7	79.0	9.7	75.3	.863	.66	87.0	87.2	SW	0.4					
8 „	.708	.834	85.4	78.4	7.0	75.7	.874	.74	85.2	87.1	SW b W	0·3					
9 „	.725	.873	83.8	77.4	6.4	74.9	.852	.76	84.1	87.0	„	0.2					
10 „	.739	.887	83.8	77.4	6.4	74.9	.852	.76	83.9	87.0	„	0.1					
11 „	.746	.902	83.0	77.0	6.0	74.6	.844	.77	83.0	87.0	„	0.2					
May 25th-Midnight	.745	28.872	84.0	78.0	6.0	75.7	.873	.77	84.8	86.5	W b N	0.2					
1 a. m.	.737	.863	83.9	78.0	5.9	75.7	.874	.77	84.6	86.4	SW b S	0.4		+	2		Above 10m.
2 „	.726	.833	83.7	78.4	5.3	76.4	.893	.80	84.4	86.3	SW b W	0.5		+	8		.47
3 „	.727	.834	83.7	78.4	5.3	76.4	.893	.80	84.2	86.2	„	0.3		+	10		1.21
4 „	.747	.845	83.3	78.5	4.8	76.7	.902	.81	84.0	86.2	SW	0.4		+	2		2.11
5 „	.751	.858	83.3	78.3	5.0	76.4	.893	.80	84.0	86.0	„	0·7		+	1		Above 10m.
6 „	.765	.903	83.2	77.5	5.7	75.3	.862	.78	84.0	85.9	„	0.6					
7 „	.787	.948	84.2	77.2	7.0	74.4	.839	.73	84.4	85.8	SW b W	0.4					
8 „	.806	.961	87.3	78.2	9.1	74.7	.845	.67	86.0	85.9	SW b S	0.3					
9 „	.816	.926	88.6	79.6	9.0	76.3	.890	.68	86.8	86.0	SW	0.3					
10 „	.815	.934	91.0	80.0	11.0	76.0	.881	.65	87.9	86.2	SW b W	0.2					
11 „	.812	.927	91.4	80.2	11.2	76.1	.885	.62	88.3	86.4	„	0.2					
Noon.	.803	.933	92.0	80.0	12.0	75.6	.870	.60	89.0	86.7	SW b S	0.7	None.			None.	
1 p. m.	.786	.918	92.2	80.0	12.2	75.5	.868	.59	89.0	86.8	SSW	0.6					
2 „	.783	.900	92.8	80.5	12.3	76.0	.883	.59	89.5	86.9	SW	0.5					
3 „	.772	.859	92.0	81.0	11.0	77.1	.913	.63	89.0	87·0	SSW	0.4					
4 „	.759	.854	90.4	80.4	10.0	76.8	.905	.65	88.3	87.1	SW	0.3					
5 „	.760	.849	89.8	80.4	9.4	77.0	.911	.67	88.0	87.2	SW b S	0.3					
6 „	.766	.865	87.6	79.6	8.0	76.7	.901	.71	87.6	87.3	SW b W	0.2					
7 „	.777	.900	85.6	78.5	7.1	75.8	.877	.74	86.5	87.2	„	0.1					
8 „	.788	.907	85.2	78.5	6.7	76.0	.881	.75	85.7	87.0	„	0·1					
9 „	.793	.901	84.6	78.6	6.0	76.4	.892	.77	85.5	86.8	„	0.3					
10 „	.800	.933	84.5	78.0	6.5	75.5	.867	.75	85.2	86.7	SW	0·2					
11 „	.787	.915	84.1	78.0	6.1	75.4	.872	.77	84.9	86.6	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
2	B	Clouded as before.	
4	G	" "	
6	G	" "	
6	G	" "	
6	G	" "	
6	C	" "	
6	C	∿ scattered about moving NNE.	
6	C	" " "	
5	C	" " "	
5	B	∿ scattered about moving NE.	
4	B	" " "	
2	B	∿ scattered about hor.	
2	B	∿ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 87°4 and 86°4.
2	G	∿ scattered about hor.; fresh breezes of wind from SE.	
6	G	∿ scattered about moving NE; fresh breezes of wind from S.	
7	G	" " " "	23rd May was the 5th day on which the fall of rain was less than one cent.
7	G	Densely clouded with ∿; a few drops of rain fell at 4h. 16m.	
6	C	∿ scattered about; mist along E hor.	
5	C	" " "	
7	C	∿ scattered about moving ENE.	
6	C	" " "	
3	B	∿ scattered about hor. moving NE.	
4	B	∿ scattered about moving NNE.	
5	B	∿ scattered about moving NE.	
5	B	" " "	
5	G	" " "	
5	G	" " "	
5	G	Clouded as before.	
6	G	" "	
6	G	" "	
5	G	" "	
5	G	" "	
5	G	" "	
5	G	" "	
6	G	∿ scattered throughout moving NNE.	
6	G	" " "	
3	B	∿ scattered about moving NE; lightning and thunder in E at intervals of 3m.	Mean daily temperature of ground 20 and 60 inches below its surface 87°5 and 86°5.
5	G	∿ scattered about moving NE; lightning and thunder in E at intervals of 4m.	
6	G	∿ scattered throughout; continuous lightning and thunder in NE; a few drops of rain at 2h. 58m.	
6	G	∿ scattered throughout moving NE; lightning and thunder in NE.	25th May was the 2nd day on which lightning and thunder were both registered; it was the 6th day on which the fall of rain was less than one cent.
5	G	Clouded as before; lightning and thunder in NE.	
5	C	∿ scattered throughout; mist in hor.	
5	C	" " "	
5	C	" " "	
6	C	∿ scattered about; drops of rain fell from 8h. 15m. to 8h. 27m.	
3	B	∿ scattered about hor.	
5	B	∿ scattered about the sky.	
3	B	∿ scattered about hor.	
2	B	" "	
5	G	∿ scattered about moving NE.	
5	G	∿ scattered about moving NNE.	
5	G	" " "	
6	G	⌒ along the E hor.; ∿ scattered about.	
6	C	" " " "	
5	C	∿ scattered about moving NE.	
6	C	" " "	
5	C	" " "	
6	B	" " "	
6	B	∿ scattered about; lightning in N at intervals of 1½m.	
4	B	∿ scattered about; lightning in N at intervals of 3m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
May 26th-Midnight	29.774	28.901	84°0	78°0	6°0	75°7	0.873	0.77	84°7	86°6	SW b S	0.3					
1 a. m.	.763	.885	83.5	78.0	5.5	75.9	.878	.79	84.3	86.5	SW	0.4					
2 „	.749	.871	83.5	78.0	5.5	75.9	.878	.79	84.3	86.4	SW b W	0.5					
3 „	.746	.868	83.5	78.0	5.5	75.9	.878	.79	84.2	86.3	„	0.6					
4 „	.761	.877	83.0	78.0	5.0	76.1	.884	.80	84.0	86.3	SW	0.4					
5 „	.781	.937	83.0	77.0	6.0	74.6	.844	.77	83.8	86.2	SW b W	0.2					
6 „	.785	.902	83.5	78.1	5.4	76.0	.883	.79	84.0	86.0	„	0.2					
7 „	.814	.947	84.5	78.0	6.5	75.5	.867	.75	84.4	86.1	„	0.2					
8 „	.831	.980	86.0	78.0	8.0	74.9	.851	.70	85.6	86.2	SSW	0.1					
9 „	.845	.991	89.5	79.0	10.5	75.0	.854	.64	86.5	86.3	SW	0.3					
10 „	.838	.946	90.0	80.0	10.0	76.4	.892	.65	87.7	86.5	S b W	0.2					
11 „	.823	.978	91.6	79.3	12.3	74.7	.845	.59	88.8	86.6	SW b W	0.2					
Noon.	.816	.993	92.4	79.0	13.4	73.8	.823	.56	89.0	86.8	„	0.3		None.	None.	None.	None.
1 p. m.	.794	.957	93.0	79.5	13.5	74.4	.837	.56	89.2	86.9	SW	0.4					
2 „	.768	.918	93.8	80.0	13.8	74.8	.850	.56	90.0	87.0	SW b W	0.4					
3 „	.753	.862	94.0	81.0	13.0	76.3	.891	.58	90.0	87.1	„	0.5					
4 „	.737	.872	93.2	80.2	13.0	75.4	.865	.57	89.9	87.2	„	0.3					
5 „	.743	.828	88.6	80.2	8.4	77.2	.915	.70	88.0	87.3	„	0.2	0.04				
6 „	.746	.894	86.3	78.1	8.2	74.9	.852	.70	87.0	87.3	„	0.1					
7 „	.752	.887	84.7	78.0	6.7	75.4	.865	.75	85.7	87.2	„	0.1					
8 „	.758	.885	84.0	78.0	6.0	75.7	.873	.77	85.3	87.0	SW	0.1					
9 „	.771	.892	83.5	78.0	5.5	75.9	.879	.79	84.9	86.8	SW b W	0.2					
10 „	.784	.905	83.5	78.0	5.5	75.9	.879	.79	84.6	86.7	„	0.2					
11 „	.784	.905	83.5	78.0	5.5	75.9	.879	.79	84.5	86.6	SW	0.3					
May 27th-Midnight	.771	.889	83.2	78.0	5.2	76.0	.882	.80	84.2	86.5	SW	0.3					
1 a. m.	.747	.863	83.0	78.0	5.0	76.1	.884	.80	84.0	86.4	SW b W	0.4					
2 „	.743	.855	82.6	78.0	4.6	76.2	.888	.82	83.9	86.4	„	0.5					
3 „	.740	.843	81.8	78.0	3.8	76.5	.897	.85	83.0	86.3	„	0.3					
4 „	.748	.851	81.8	78.0	3.8	76.5	.897	.85	82.9	86.2	SW	0.5					
5 „	.752	.855	81.8	78.0	3.8	76.5	.897	.85	82.7	86.1	„	0.3					
6 „	.780	.925	82.0	77.0	5.0	75.0	.855	.80	82.6	86.0	„	0.1					
7 „	.796	.932	83.0	77.5	5.5	75.4	.864	.79	83.2	86.0	WSW	0.1					
8 „	.808	.935	84.0	78.0	6.0	75.7	.873	.77	84.0	86.0	„	0.2					
9 „	.822	.934	87.2	79.2	8.0	76.2	.888	.71	85.0	86.2	„	0.2					
10 „	.814	.924	88.6	79.6	9.0	76.3	.890	.68	86.0	86.4	„	0.4					
11 „	.806	.957	90.0	79.0	11.0	74.8	.849	.62	87.0	86.5	„	0.3					
Noon.	.790	.946	91.2	79.2	12.0	74.6	.844	.59	88.0	86.5	„	0.2		None.	None.	None.	None.
1 p. m.	.771	.905	92.4	80.0	12.4	75.4	.866	.58	88.8	86.6	„	0.3					
2 „	.752	.865	92.4	80.5	11.9	76.2	.887	.60	89.0	86.8	SW b W	0.2					
3 „	.736	.832	92.8	81.0	11.8	76.8	.904	.61	89.0	86.9	W b S	0.3	Less than one cent.				
4 „	.725	.855	92.0	80.0	12.0	75.6	.870	.60	89.0	87.0	SW b W	0.2					
5 „	.727	.867	90.6	79.4	11.2	75.2	.860	.62	88.4	87.1	„	0.2					
6 „	.733	.862	88.0	79.0	9.0	75.6	.871	.68	87.5	87.0	W b S	0.1					
7 „	.742	.885	85.8	78.1	7.7	75.1	.857	.71	86.0	87.0	WSW	0.1					
8 „	.753	.891	85.0	78.0	7.0	75.3	.862	.74	85.5	86.9	„	0.2					
9 „	.755	.888	84.5	78.0	6.5	75.5	.867	.75	85.0	86.8	„	0.2					
10 „	.765	.887	84.3	78.2	6.1	75.9	.878	.77	84.8	86.6	SW b W	0.3					
11 „	.762	.885	83.6	78.0	5.6	75.8	.877	.78	84.6	86.5	„	0.2					
May 28th-Midnight	.763	.885	83.5	78.0	5.5	75.9	.878	.79	84.4	86.5	SW b W	0.3					
1 a. m.	.728	.850	83.5	78.0	5.5	75.9	.878	.79	84.3	86.4	„	0.2					
2 „	.725	.844	83.3	78.0	5.3	76.0	.881	.79	84.1	86.3	WSW	0.3					
3 „	.721	.837	83.0	78.0	5.0	76.1	.884	.80	84.0	86.2	„	0.2					
4 „	.724	.836	82.6	78.0	4.6	76.2	.888	.82	83.8	86.1	„	0.1		None.	None.	None.	None.
5 „	.732	.844	82.6	78.0	4.6	76.2	.888	.82	83.5	86.0	SW b W	0.1					
6 „	.753	.845	83.1	78.6	4.5	76.9	.908	.82	83.5	85.9	„	0.2					
7 „	.772	.879	82.2	78.0	4.2	76.4	.893	.83	83.5	85.7	WNW	0.1	0.01				
8 „	.795	.924	86.1	78.5	7.6	75.6	.871	.72	85.0	85.8	„	0.1					
9 „	.798	.919	88.0	79.2	8.8	75.9	.879	.68	86.0	86.0	W	0.2					
10 „	.796	.920	89.5	79.5	10.0	75.8	.876	.65	87.0	86.2	W b S	0.2					
11 „	.787	.917	90.4	79.6	10.8	75.6	.870	.63	87.4	86.3	W	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
4	B	scattered about moving NE; lightning in N hor. at intervals of 1m.	Mean daily temperature of ground 20 and 60 inches below its surface 87°7 and 85°7. Daily fall of rain by Osler's Gauge 0·04 in. The temperature of external and free Air at 3 P.M. was 94°0 greatest in the Month and about 4°2 greater than the Normal Mean. 26th May was the 3rd rainy day.
6	G	scattered throughout; lightning in NNE at intervals of 49s.	
6	G	scattered throughout; lightning in NNE at intervals of 1m. 10s.	
6	G	scattered throughout; lightning in NNE at intervals of 1m. 21s.	
6	G	Densely clouded with ; lightning in NNE at intervals of 1m. 12s.	
7	C	Densely clouded with ; lightning in NNE at intervals of 6m.	
7	C	Densely clouded with ; mist along E hor.	
7	C	" " " "	
7	C	" " " "	
6	B	scattered about moving NE.	
5	B	" " "	
4	B	" " "	
4	B	" " "	
5	G	" " "	
5	G	" " "	
5	G	along E hor.; and scattered about moving NE.	
6	G	along E hor.; and scattered about; rain commenced at 4h. 35m. and ceased at 4h. 44m.; rain-bow in E observed at 4h. 49m.	
5	C	scattered about moving ENE; rain-bow not visible after 5h. 4m.	
3	C	and about W hor; scattered about.	
3	C	" " "	
3	C	scattered about hor.	
0	B	A few patches of clouds around hor.	
2	B	scattered about hor. moving NE.	
5	B	scattered about moving NE.	
6	B	scattered about moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°8 and 85°8. 27th May was the 4th rainy day.
6	G	scattered throughout.	
6	G	Clouded as before; drops of rain fell from 2h. 27m. to 2h. 29m.	
6	G	Densely clouded with ; a few drops of rain fell at the time of observation.	
7	G	Densely clouded with moving NE.	
7	C	in SW; scattered about NE.	
6	C	scattered about moving NE; rain commenced at 6h. 32m. and ceased at 6h. 41m.	
5	C	scattered about; rain from 7h. 18m. to 7h. 37m.	
5	C	scattered about; no rain.	
3	B	and scattered about, the former moving NE.	
3	B	" " " "	
3	B	scattered about moving NE.	
2	B	along E hor. and all round hor.	
5	G	along E hor.; scattered about.	
6	G	" " "	
6	G	" " "	
5	G	" " "	
4	C	" " "	
4	C	" " "	
4	C	scattered about moving NE.	
5	C	" " "	
3	B	scattered about moving ENE.	
4	B	" " "	
4	B	" " "	
4	B	scattered about moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 88°0 and 86°0. Daily fall of rain by Osler's Gauge 0·01 in. 28th May was the 5th rainy day.
4	G	" " "	
5	G	" " "	
5	G	" " "	
6	G	and scattered about, the former moving NE.	
5	C	and scattered about; light rain from 5h. 48m. to 6h. 0m.	
7	C	Densely clouded with moving NE; rain from 6h. 8m. to 6h. 36m.	
6	C	and scattered about, the former moving ENE.	
4	C	scattered about moving ENE.	
4	B	scattered about moving E.	
3	B	" " "	
2	B	scattered about moving NE.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
MAY 28TH-Noon.	29.764	28.870	91°6	80°0	11°6	75°7	0.874	0.61	88°0	86°5	SW b W	0.2					
1 p. m.	.731	.844	92.4	80.5	11.9	76.2	.887	.60	88.6	86.5	WSW	0.2					
2 „	.715	.843	92.6	80.2	12.4	75.6	.872	.59	88.8	86.7	W b S	0.2					
3 „	.705	.814	92.4	80.6	11.8	76.3	.891	.60	88.8	86.8	„	0.2					
4 „	.695	.825	92.0	80.0	12.0	75.6	.870	.60	88.8	86.9	„	0.2					
5 „	.697	.829	90.6	79.6	11.0	75.5	.868	.63	88.4	86.9	WSW	0.2	None.	None.	None.	None.	None.
6 „	.709	.876	88.3	79.6	8.7	76.4	.893	.69	87.7	86.9	W b S	0.2					
7 „	.720	.827	86.0	79.0	7.0	76.4	.893	.74	86.8	87.0	WSW	0.1					
8 „	.728	.834	85.2	78.8	6.4	76.4	.894	.76	85.6	87.0	„	0.2					
9 „	.737	.862	84.6	78.2	6.4	75.8	.875	.76	85.3	86.8	„	0.2					
10 „	.747	.877	84.3	78.0	6.3	75.6	.870	.76	84.9	86.6	„	0.2					
11 „	.738	.865	84.0	78.0	6.0	75.7	.873	.77	84.8	86.6	SW b W	0.2	●				
MAY 29TH-Midnight	.720	.863	83.7	77.5	6.2	75.1	.857	.76	84.5	86.4	SW b W	0.2					
1 a. m.	.713	.823	83.4	78.0	5.4	75.9	.880	.79	84.2	86.4	„	0.2					
2 „	.705	.827	83.2	77.9	5.3	75.9	.878	.79	84.0	86.4	„	0.3					
3 „	.698	.835	82.8	77.4	5.4	75.3	.863	.79	84.0	86.3	„	0.2					
4 „	.692	.837	82.4	77.1	5.3	75.0	.855	.79	83.5	86.2	„	0.1					
5 „	.702	.842	82.3	77.2	5.1	75.2	.860	.80	83.2	86.1	„	0.1					
6 „	.720	.856	83.0	77.5	5.5	75.4	.864	.79	83.0	86.0	„	0.1					
7 „	.747	.853	84.8	78.7	6.1	76.4	.894	.77	84.5	86.0	„	0.1					
8 „	.768	.874	87.4	79.4	8.0	76.4	.894	.71	86.0	86.1	WSW	0.1					
9 „	.779	.867	86.2	79.5	6.7	77.0	.912	.75	85.5	86.2	„	0.2	0.01				
10 „	.776	.920	89.3	79.0	10.3	75.1	.857	.64	87.0	86.3	W	0.2					
11 „	.765	.873	90.0	80.0	10.0	76.4	.892	.65	87.4	86.4	„	0.2					
Noon.	.755	.880	91.5	80.0	11.5	75.8	.875	.61	88.0	86.6	„	0.2		None.	None.	None.	None.
1 p. m.	.737	.839	91.8	80.6	11.2	76.6	.898	.62	88.4	86.6	W b S	0.3					
2 „	.724	.844	92.3	80.3	12.0	75.9	.880	.60	88.8	86.7	„	0.3					
3 „	.700	.833	92.3	80.0	12.3	75.5	.867	.59	89.0	86.9	W	0.3					
4 „	.695	.825	92.0	80.0	12.0	75.6	.870	.60	89.0	87.0	W b S	0.3					
5 „	.697	.826	90.7	79.7	11.0	75.6	.871	.63	88.5	87.1	„	0.2					
6 „	.710	.854	87.9	78.6	9.3	75.1	.856	.67	87.6	87.2	W	0.2					
7 „	.715	.864	86.0	78.0	8.0	74.9	.851	.70	86.7	87.3	W b S	0.3					
8 „	.728	.868	85.2	78.0	7.2	75.2	.860	.73	85.8	87.1	WSW	0.2					
9 „	.739	.874	84.7	78.0	6.7	75.4	.865	.74	85.3	86.8	W b N	0.2					
10 „	.752	.901	84.2	77.5	6.7	74.9	.851	.74	85.0	86.7	W b S	0.2					
11 „	.748	.877	84.2	78.0	6.2	75.6	.871	.76	85.0	86.7	SW b W	0.2					
MAY 30TH-Midnight	.726	.888	83.5	77.0	6.5	74.4	.838	.75	84.5	86.5	WSW	0.1					
1 a. m	.717	.859	83.2	77.4	5.8	75.1	.858	.77	84.0	86.4	„	0.2					
2 „	.707	.859	83.0	77.1	5.9	74.8	.848	.77	84.0	86.3	SW b W	0.1					
3 „	.707	.841	82.9	77.5	5.4	75.4	.866	.79	83.8	86.2	„	0.1					
4 „	.713	.845	82.7	77.5	5.2	75.5	.868	.80	83.7	86.2	WSW	0.1					
5 „	.719	.867	82.3	77.0	5.3	74.9	.852	.79	83.2	86.2	SW b W	0.1					
6 „	.738	.857	83.3	78.0	5.3	76.0	.881	.79	84.4	86.1	„	0.1					
7 „	.756	.856	86.1	79.2	6.9	76.6	.900	.74	85.0	86.0	„	0.1					
8 „	.768	.931	86.5	77.8	8.7	74.4	.837	.68	85.5	86.1	W b S	0.1					
9 „	.775	.946	88.0	78.0	10.0	74.1	.829	.65	86.5	86.3	W	0.2					
10 „	.766	.915	89.4	78.9	10.5	74.9	.851	.63	87.2	86.4	„	0.1					
11 „	.757	.912	90.4	79.0	11.4	74.7	.845	.61	87.5	86.4	W b N	0.2					
Noon.	.740	.904	91.2	79.0	12.2	74.3	.836	.59	88.0	86.5	WNW	0.2	Drops of rain.	None.	None.	None.	None.
1 p. m.	.715	.846	92.1	80.0	12.1	75.5	.869	.59	88.6	86.6	W	0.2					
2 „	.695	.827	92.6	80.1	12.5	75.5	.868	.59	89.0	86.7	W b S	0.4					
3 „	.677	.807	92.0	80.0	12.0	75.6	.870	.60	89.4	86.8	WSW	0.3					
4 „	.663	.809	91.5	79.5	12.0	75.6	.854	.60	89.0	86.9	W b S	0.3					
5 „	.666	.819	90.2	79.0	11.2	74.7	.847	.62	88.0	87.0	W b N	0.3					
6 „	.676	.861	87.5	77.5	10.0	73.5	.815	.65	86.7	87.0	W b S	0.2					
7 „	.682	.829	85.8	78.0	7.8	75.0	.853	.71	86.0	86.8	WWS	0.2					
8 „	.703	.852	85.0	77.8	7.2	74.9	.851	.73	85.5	86.5	„	0.2					
9 „	.723	.867	84.4	77.7	6.7	75.1	.856	.74	85.4	86.7	„	0.2					
10 „	.723	.865	84.2	77.7	6.5	75.1	.858	.75	85.0	86.6	SW	0.2					
11 „	.711	.876	83.8	77.0	6.8	74.3	.835	.74	84.5	86.5	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
2	B	scattered about moving NE.	
1	G	Patches of clouds scattered about hor.	
2	N	" " "	
3	N	scattered about moving E.	
3	N	" " "	
4	C	" " "	
4	C	" " "	
4	C	" " "	
5	C	" " "	
2	B	scattered about hor. moving ENE.	
2	B	" " "	
4	B	scattered here and there moving ENE.	
2	B	scattered about hor. moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 88°0 and 86°0. Daily fall of rain by Osler's Gauge 0·01 in. 29th May was the 6th rainy day.
4	N	scattered about moving E.	
4	N	" " "	
2	N	" " "	
1	N	Clouded with around hor.	
3	C	in E hor.; scattered about moving ENE.	
5	C	Clouded as before; mist along E hor.	
5	C	" " "	
5	C	scattered about moving ENE; light rain from 8h. 18m. to 8h 40m.	
6	B	scattered throughout moving E.	
4	B	" " "	
4	B	" " "	
2	B	scattered about hor. moving E.	
2	N	Patches of scattered about moving E.	
2	N	Patches of scattered about hor.	
2	N	along E hor; scattered around hor.	
3	N	in E hem.; scattered around hor.	
4	C	in N and NE; scattered about moving E.	
4	C	" " "	
4	C	" " "	
5	C	scattered about moving E.	
3	B	scattered about hor. moving E.	
3	B	scattered about hor.; slight drops of rain at 10h. 35m.	
4	B	scattered about hor.; no rain.	
2	B	scattered about hor.; moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 88°0 and 86°0. 30th May was the 7th day on which the fall of rain was less than one cent.
3	N	scattered about moving SE.	
3	N	" " "	
3	C	" " "	
3	C	scattered about moving SE; rain at 4h. 5m. which lasted 3m.	
5	B	scattered about moving ENE.	
6	B	" " "	
7	G	" " "	
4	G	" " "	
4	C	above SE hor.; scattered about moving E.	
3	C	" " "	
3	B	scattered about moving ESE.	
1	B	Patches of scattered about hor.	
1	N	above N and E hor.; in NE and E; scud around hor.	
2	N	and along E hor.; scattered about moving SE.	
3	C	" " " "	
3	C	" " " "	
3	B	and scattered about hor., the former moving E.	
5	B	" " " "	
3	G	" " " "	
3	G	scattered about moving ENE.	
3	C	" " "	
4	C	" " "	
5	B	" " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
May 31st-Midnight	29.687	28.850	83°6	77°0	6°6	74°4	0.837	0.75	84°3	86°4	SW	0.2					
1 a. m.	.680	.830	83.2	77.2	6.0	73.8	.850	.77	84.0	86.4	SW b W	0.2					
2 „	.672	.843	83.0	76·6	6.4	74.1	.829	.75	84.0	86.3	„	0.2					
3 „	.665	.836	82.6	76.5	6.1	74.1	.829	.76	83.8	86.2	SW	0.1					
4 „	.666	.837	82.2	76.4	5.8	74.1	.829	.77	83.4	86.2	SW b W	0.1					
5 „	.669	.814	82.0	77.0	5.0	75.0	.855	.80	83.3	86.1	SW b S	0.1					
6 „	.689	.832	82.6	77.2	5.4	75·1	.857	.79	83.3	86.0	SW	0.1					
7 „	.706	.855	86.0	78.0	8.0	74.9	.851	.70	85.0	86.0	„	0.2					
8 „	.727	.878	87.3	78.3	9.0	74·0	.849	.67	85.6	86.1	W b S	0.1					
9 „	.738	.873	88.5	79.0	9·5	75.4	.865	.67	86.6	86.1	SW	0.2					
10 „	.733	.889	89.7	78.8	10.9	74.6	.844	.62	87.5	86.2	W b S	0.2					
11 „	.727	.889	91.0	79.0	12.0	74.4	.838	.59	88.3	86.4	„	0·3					
Noon.	.710	.875	91.3	79·0	12.3	74.3	.835	.57	88.5	86.6	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.684	.814	92.0	80.0	12.0	75.6	.870	.60	89.0	86.8	W b N	0.2					
2 „	.658	.790	92.6	80.1	12.5	75.5	.868	.59	89.2	86.7	„	0.4					
3 „	.638	.771	92.3	80.0	12.3	75.5	.867	.59	89.0	87.0	WNW	0.5					
4 „	.624	.750	91.6	80·0	11.6	75.7	.874	.61	88.8	87.0	„	0.5					
5 „	.622	.755	90.3	79.5	10.8	75.5	.867	.63	88.0	87.0	W	0.3					
6 „	.632	.779	87.8	78.5	9.3	75.0	.853	.66	87.2	87.0	W b N	0.3					
7 „	.647	.792	85.6	78.0	7.6	75.0	.855	.72	86.0	86.9	„	0·3					
8 „	.673	.813	85.2	78.0	7.2	75.2	.860	.73	85.6	86.8	„	0.3					
9 „	.677	.831	84.7	77.5	7.2	74.7	.846	.73	85.2	86.7	„	0.2					
10 „	.685	.856	84.3	77.0	7.3	74.1	.830	.72	85.0	86.7	„	0.2					
11 „	.685	.852	84.0	77.0	7.0	74.2	.833	.73	84.8	86.6	„	0.2					
June 2nd-Midnight	.667	.794	84.0	78.0	6.0	75.7	.873	.77	85.0	86.6	WNW	0.2					
1 a. m.	.655	.819	83.6	77.2	6.4	74.7	.846	.76	84.7	86.6	W	0.3					
2 „	.646	.800	83.6	77.2	6.4	74.7	.846	.76	84.4	86·5	„	0.4					
3 „	.634	.775	83.5	77.5	6·0	75.2	.859	.77	84.3	86.3	W b N	0.2					
4 „	.643	.816	82.8	76.5	6.3	74.0	.827	.76	84.0	86.3	„	0.2					
5 „	.650	.823	82.8	76.5	6.3	74.0	.827	.76	83.8	86.2	„	0.2					
6 „	.670	.820	83.2	77.2	6.0	74.8	.850	.77	84.0	86.1	„	0.1					
7 „	.685	.841	86.6	78.0	8.6	74.6	.844	.69	86.0	86.2	„	0.1					
8 „	.701	.872	88.0	78.0	10.0	74.1	.829	.65	87.1	86.4	„	0.1					
9 „	.709	.883	89·8	78.4	11.4	74.0	.826	.61	87.5	86.5	„	0.2					
10 „	.707	.875	90.8	78.8	12.0	74.2	.832	.59	88.0	86.7	W	0.2					
11 „	.698	.841	91.6	79.6	12.0	75.1	.857	.60	88.7	86.8	„	0.3	None.	None.	None.	None.	None.
Noon.	.680	.856	92.3	79.0	13.3	74.9	.824	.56	89.0	87.0	W b N	0.2					
1 p. m.	.675	.860	93.1	79.0	14.1	73.5	.815	.54	89·2	87.1	„	0.4					
2 „	.660	.811	93.9	80.0	13.9	74.8	.849	.55	90.0	87.2	„	0.3					
3 „	.633	.799	93.3	79.5	13.8	74.3	.834	.55	90.0	87.3	„	0.5					
4 „	.612	.742	92.0	80.0	12.0	75.6	.870	.60	89.5	87.4	„	0.4					
5 „	.604	.712	90·0	80.0	10.0	76.4	.892	.65	88.0	87.5	WNW	0.3					
6 „	.623	.703	87.4	80·0	7.4	77.3	.920	.73	87.2	87.4	NW b W	0.2					
7 „	.642	.789	85.8	78.0	7.8	75.0	.853	.71	87.0	87.2	WNW	0.1					
8 „	.662	.811	85.0	77.8	7.2	74.9	.851	.73	86.1	87.0	„	0.2					
9 „	.676	.814	85.0	78.0	7.0	75.3	.862	.74	85.7	87.0	„	0.4					
10 „	.683	.811	84.8	78.2	6.6	75.6	.872	·75	85.5	86.9	„	0.3					
11 „	.675	.799	84.5	78.2	6.3	75.8	.876	.76	85.3	86.7	„	0.3					
June 3rd-Midnight	.667	.798	84.4	78.0	6.4	75.5	.869	.76	85.2	86.7	WNW	0.3					
1 a. m.	.657	.786	84.2	78.0	6.2	75.6	.871	.76	84·9	86.6	„	0.3					
2 „	.646	.773	84.0	78.0	6.0	75.7	.873	·77	84.8	86.6	„	0.2					
3 „	.639	.783	83.8	77.5	6.3	75·1	.856	.76	84.5	86.5	„	0.1					
4 „	.634	.773	83.6	77.6	6.0	75.2	.861	.77	84.4	86.5	„	0.2					
5 „	.625	.785	83.4	77.0	6.4	74.5	.840	.75	84.2	86.4	„	0.1					
6 „	.640	.799	84.0	77.4	6.6	74.5	.841	.75	84.5	86.4	„	0.2					
7 „	.656	.851	85.6	77.6	8·0	73·2	.805	.70	85.3	86.4	NW	0.2	None.	None.	None.	None.	None.
8 „	.665	.836	88.0	78.0	10.0	74.1	.827	.65	86.5	86.5	NW b N	0.2					
9 „	.679	.842	89.6	78.6	11.0	74.4	.837	.62	87.7	86.6	NNW	0.2					
10 „	.677	.817	89·0	79.0	10.0	75.2	.860	.65	87.8	86.6	NW	0.1					
11 „	.675	.813	90.4	79.4	11.0	75.3	.862	.62	88.5	86.8	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∩ nimbi.	
5	B	≀≀ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 88°0 and 86°0.
4	N	" "	
4	N	" "	
3	N	" "	
3	N	" "	
5	C	≀≀ and ≀ scattered about, both moving E.	
5	C	≀≀ scattered about moving E; mist along E hor.	
5	C	" "	
6	C	" "	
3	B	≀≀ scattered about moving ESE.	
3	B	≀≀ and ≀ scattered about, the former moving ENE.	
3	B	≀≀ scattered about moving E.	
4	B	" "	
4	G	∩ along the E hor.; ≀≀ scattered about moving E.	
2	G	∩ along the E hor.; ≀≀ and ≀ scattered about the former moving E.	
2	G	∩ along the E hor.; ≀≀ and ≀ scattered about, moving E.	
2	G	" " "	
3	B	Clouded as before.	
4	B	" "	
6	B	" "	
4	B	" "	
2	B	≀≀ scattered about moving E.	
2	B	" "	
2	B	" "	
5	C	≀≀ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 88°2 and 86°2. The temperature of External and Free Air at 2 P.M. was 93°9 greatest in the month and about 4°1 greater than the Normal Mean.
3	B	≀≀ scattered about hor. moving E.	
5	B	" "	
4	B	≀≀ scattered about moving ESE.	
2	B	≀≀ scattered about hor.	
4	G	≀≀ scattered about moving SE.	
2	G	≀≀ scattered about hor.	
2	G	" "	
2	G	" "	
4	C	≀≀ scattered about moving SE.	
3	C	≀≀ scattered about moving ESE.	
3	C	≀≀ scattered about hor.	
2	C	" "	
3	B	≀≀ and ≀ scattered about hor.	
2	B	" "	
2	B	" "	
4	B	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
5	G	" " "	
5	G	" " "	
6	G	" " "	
6	G	" " "	
5	C	≀≀ and ≀≀ scattered about, both moving E.	
5	C	≀≀ scattered about moving ESE.	
6	C	≀≀ and ≀≀ scattered about, both moving ESE.	
7	C	Densely clouded with ≀≀ moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 88°2 and 86°2. Temperature of calculated Dew-point at 4 P.M. was 72°9 lowest in the Month and about 5°8 lower than the Normal Mean.
8	B	≀≀ and ≀≀ scattered about the former moving ESE.	
8	B	Clouded as before but the motion of ≀≀ was SE.	
7	B	" "	
6	B	" "	
7	G	" "	
7	G	Densely clouded with ≀≀ moving SE; light mist along E hor.	
7	G	" " "	
7	G	≀≀ and ≀≀ scattered about, the former moving ESE; mist along E hor.	
7	C	Densely clouded with ≀≀ moving ESE.	
7	C	" "	
8	C	Overcast with ≀≀ moving SE.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 3rd-Noon.	29.668	28.792	92°2	80°2	12°0	75°8	0.876	0.60	89°2	86°9	NW	0.2					
1 p.m.	.645	.771	91.6	80.0	11.6	75.7	.874	.61	89.0	87.0	WNW	0.5					
2 „	.623	.756	92.3	80.0	12.3	75.5	.867	.59	89.5	87.2	W b N	0.4					
3 „	.612	.746	89.5	79.2	10.3	75.4	.866	.64	88.5	87.3	W	0.7					
4 „	.609	.811	87.2	77.0	10.2	72.9	.798	.64	87.0	87.2	„	0.3					
5 „	.611	.769	86.8	78.0	8.8	74.6	.842	.68	86.0	87.2	W b S	0.3	None.	None.	None.	None.	None.
6 „	.615	.741	85.4	78.4	7.0	75.7	.874	.74	85.6	87.1	„	0.2					
7 „	.628	.766	85.0	78.0	7.0	75.3	.862	.74	85.2	87.0	W	0.2					
8 „	.648	.760	84.6	78.5	6.1	76.2	.888	.77	85.0	86.9	„	0.1					
9 „	.667	.788	84.2	78.2	6.0	75.9	.879	.77	85.0	86.8	„	0.2					
10 „	.667	.794	84.0	78.0	6.0	75.7	.873	.77	84.9	86.8	„	0.1					
11 „	.663	.774	84.0	78.4	5.6	75.3	.889	.78	84.7	86.7	„	0.2					
June 4th-Midnight	.651	.762	84.0	78.4	5.6	76.3	.889	.78	84.7	86.6	W	0.2					
1 a. m.	.645	.772	84.0	78.0	6.0	75.7	.873	.77	84.7	86.6	W b N	0.1					
2 „	.626	.748	83.5	78.0	5.5	75.9	.878	.79	84.5	86.5	W	0.1					
3 „	.630	.752	83.5	78.0	5.5	75.9	.878	.79	84.5	86.5	„	0.1					
4 „	.638	.756	83.2	78.0	5.2	76.0	.882	.80	84.2	86.4	„	0.1					
5 „	.650	.766	83.0	78.0	5.0	76.1	.884	.80	84.0	86.3	„	0.1					
6 „	.672	.773	83.6	78.5	5.1	76.6	.899	.80	84.1	86.3	„	0.1					
7 „	.688	.798	87.0	79.2	7.8	76.3	.890	.71	86.8	86.4	„	0.2					
8 „	.703	.794	88.4	80.0	8.4	76.9	.909	.70	87.4	86.6	„	0.1					
9 „	.711	.810	89.8	80.2	9.6	76.7	.901	.67	88.2	86.8	„	0.1					
10 „	.705	.815	91.4	80.3	11.1	76.3	.890	.62	89.0	86.9	W b N	0.2	None.				
11 „	.700	.822	92.5	80.3	12.2	75.9	.878	.60	89.4	87.1	„	0.2					
Noon.	.689	.795	93.0	80.8	12.2	76.4	.894	.60	90.0	87.2	„	0.2					
1 p. m.	.675	.813	93.5	80.2	13.3	75.3	.862	.57	90.0	87.2	„	0.2					
2 „	.650	.800	93.8	80.0	13.8	74.8	.850	.56	90.1	87.4	„	0.4					
3 „	.628	.778	93.8	80.0	13.8	74.8	.850	.56	90.3	87.5	WNW	0.4					
4 „	.618	.745	92.5	80.2	12.3	75.7	.873	.59	90.0	87.6	„	0.3					
5 „	.635	.743	90.0	80.0	10.0	76.4	.892	.65	89.5	87.7	W b N	0.1					
6 „	.642	.750	88.0	79.5	8.5	76.4	.892	.69	88.0	87.7	W b S	0.2					
7 „	.652	.764	87.2	79.2	8.0	76.2	.888	.71	87.1	87.6	WSW	0.1					
8 „	.666	.777	86.4	79.0	7.4	76.3	.889	.73	86.7	87.4	W b S	0.2					
9 „	.692	.803	86.5	79.0	7.4	76.3	.889	.73	86.5	87.4	W	0.2					
10 „	.691	.794	85.6	79.0	6.6	76.5	.897	.75	86.2	87.4	„	0.3					
11 „	.692	.798	85.2	78.8	6.4	76.4	.894	.76	86.0	87.3	„	0.3		+	14	12	1.5
June 5th-Midnight	.679	.789	83.2	78.2	5.0	76.3	.890	.80	84.6	87.1	W	0.4	0.09	−	Out of Sc.	Out of Sc.	Instantly.
1 a. m.	.671	.765	81.0	78.0	3.0	76.8	.906	.88	82.9	86.8	S b W	0.0	0.48				
2 „	.664	.753	80.5	78.0	2.5	77.0	.911	.90	82.2	86.6	SE	0.2	0.01				
3 „	.659	.756	80.5	77.8	2.7	76.7	.903	.89	82.2	86.5	SE b E	0.5					
4 „	.660	.766	80.6	77.6	3.0	76.4	.894	.88	82.4	86.4	S b E	0.5					
5 „	.661	.751	80.6	78.0	2.6	77.0	.910	.89	82.4	86.4	SSW	0.3					
6 „	.683	.771	81.2	78.2	3.0	77.0	.912	.88	83.6	86.3	SSE	0.4					
7 „	.698	.805	83.7	78.4	5.3	76.4	.893	.80	85.8	86.4	„	0.4					
8 „	.706	.802	85.0	79.0	6.0	76.8	.904	.77	86.0	86.4	„	0.5					
9 „	.717	.808	86.0	79.4	6.6	76.9	.909	.75	86.2	86.5	S b E	0.2					
10 „	.726	.835	87.3	79.3	8.0	76.3	.891	.71	86.6	86.6	„	0.4					
11 „	.716	.827	88.7	79.6	9.1	76.3	.889	.68	87.2	86.7	S b W	0.5					
Noon.	.703	.806	89.5	80.0	9.5	76.5	.897	.67	87.7	86.7	„	0.8					
1 p. m.	.673	.763	90.2	80.5	9.7	77.0	.910	.66	88.0	87.0	„	0.7					
2 „	.661	.769	90.0	80.0	10.0	76.4	.892	.65	88.0	87.0	S	1.2					
3 „	.650	.730	89.3	80.5	8.8	77.3	.920	.69	87.8	87.0	S b W	1.0					
4 „	.636	.697	88.8	80.8	8.0	78.0	.939	.71	87.5	87.0	S	1.0					
5 „	.634	.680	88.2	81.0	7.2	78.5	.954	.74	87.0	87.0	„	0.8					
6 „	.651	.703	86.4	80.4	6.0	78.3	.948	.77	86.4	87.0	„	1.0					
7 „	.664	.760	85.0	79.0	6.0	76.8	.904	.77	85.6	87.0	„	0.6					
8 „	.677	.729	84.8	80.0	4.8	78.3	.948	.81	85.0	86.9	SSE	0.7					
9 „	.691	.745	85.0	80.0	5.0	78.2	.946	.81	85.0	86.8	S b E	0.9					
10 „	.691	.748	83.8	79.6	4.2	78.1	.943	.84	84.8	86.8	„	1.1					
11 „	.683	.764	83.6	79.0	4.6	77.3	.919	.82	84.6	86.7	SSE	1.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ≀ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ≋ nimbi.	
7	C	⌇, ≀, and ⌇ scattered about the former moving SE.	
7	B	⌇ and ≀ scattered about, the former moving SE.	
3	B	⌇, ≀, and ⌇ scattered about.	
8	B	Overcast with ⌇, ≀, and ⌇.	
8	B	Overcast with ⌇ moving N.	
8	G	" "	
7	G	Densely clouded with ⌇ moving NNE.	
7	G	" "	
7	G	" "	
5	C	⌇, ≀, and ⌇ scattered about, the former moving NE.	
5	C	Clouded as before.	
5	C	" "	
7	C	Densely clouded with ⌇ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 88°4 and 86°4.
4	B	⌇ around hor. and ≀ scattered here and there.	
5	B	⌇ and ≀ scattered about, the former moving NE.	
6	B	⌇ around hor.; ≀ scattered here and there.	4th June was the 3rd day on which lightning and thunder were both registered; it was the 7th rainy day.
5	B	" "	
6	G	⌇ scattered about moving NE.	
6	G	" "	
6	G	⌇ and ≀ scattered about, the former moving NE.	
7	G	⌇ and ≀ scattered about, the former moving NNE.	
6	C	" " "	
5	C	⌇ and ≀ scattered about, the former moving NE.	
5	C	" " "	
3	C	" " "	
2	B	⌇ and ≀ scattered about hor.	
1	B	∩ along the E hor.; ⌇ around hor.; ⌇ scattered in NW.	
2	B	∩, ≀, ⌇ and in E hemisphere.	
5	B	" "	
6	G	∩ along E hor.; ⌇ scattered about, moving ESE.	
7	G	Densely clouded with ⌇ moving E; lightning in E hor. at intervals of 1m. 9s.	
8	G	Overcast; lightning in E hor. at intervals of 1m.	
8	G	Overcast; lightning in E hor. at intervals of 0m. 28s.	
8	C	Overcast; lightning in E hor at intervals of 1½m.	
8	C	" " " [ced at 11h. 40m.	
8	C	Overcast; lightning in E hor. at intervals of ½m.; thunder in NE; rain commenced at 11h. 20m.; it ceased at 11m. 43m, but re-commen-	
8	C	Overcast with ⌇ moving E; lightning and thunder in NE; rain ceased at 0h. 30m. but re-commenced at 0h. 42m.	Mean daily temperature of ground 20 and 60 inches below its surface 88°4 and 86°4. Daily fall of rain by Osler's Gauge 0·53 in. Maximum tension of Electricity by Henly's apparatus 12. Maximum Length of the spark by Ronald's measure 0·16 in. The Height of Standard Barometer at 10 A.M. was 29·726 in. greatest during the month, but was short of the Normal Height for the hour by 0·008 in.
8	B	Overcast; lightning and thunder in NW. at intervals of ½m.; rain ceased at 1h. 2m.; a passing shower at 1h. 46m.	
8	B	Overcast with ⌇ moving N; lightning and thunder in NW. at intervals of 1m. 15s.	
8	B	Overcast; a break in S.	
8	B	Overcast; a few stars dimly visible.	
5	G	Clouded with ⌇, ≀ and ⌇, the former moving ENE.	
5	G	Clouded as before; mist along E hor..	
5	G	Clouded with ⌇, ≀ and ⌇, the former moving NE; light mist along E hor.	
5	G	Clouded as before.	
5	C	" "	
5	C	⌇ and ≀ scattered about, the former moving NNE.	
6	C	" " "	
5	C	⌇ and ≀ scattered about, the former moving NNE; solar-halo.	
2	B	∩ around hor.; ⌇ scattered about; solar halo.	
2	B	∩ around hor.; ⌇ and ⌇ scattered about.	
2	B	∩ scattered along E hor.	
2	B	" "	
5	G	∩ along E hor; ⌇ and ⌇ scattered about, the former moving NE.	
6	G	∩ along E hor.; ⌇ scattered about moving NNE.	
6	G	Clouded as before; a few drops of rain at 7h. 18m.	
8	G	Overcast with ⌇ moving N.	
8	C	Overcast; lightning in NE at intervals of 25s.; rain from 8h. 41m. to 8h. 48m.	
7	C	Densely clouded with ⌇; lightning in NE and S at intervals of 1½m.	
6	C	⌇ scattered throughout, moving N; lightning in 8 in every 2m.; fresh breezes of wind from S.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 6th-Midnight	29.671	28.764	83°2	78°6	4°6	76°9	0.907	0·82	84°4	86°6	SE b S	1.3					
1 a. m.	.650	·764	82·8	78.0	4.8	76.1	.886	.81	84.4	86.5	,,	0.8					
2 ,,	.639	.831	82.7	77.5	5.2	75.5	.868	.80	84.0	86.4	SSE	1.0					
3 ,,	.625	.774	82.4	77.0	5.4	74.9	.851	.79	83.4	86.3	,,	0.6					
4 ,,	.620	·767	82.2	77.0	5.2	75.0	.853	.80	83.2	86.2	SE	0.5					
5 ,,	.628	·769	82.4	77.2	5.2	75.2	.859	.80	83.0	86.0	,,	0.6					
6 ,,	.650	·783	82.4	77·4	5.0	75.5	.867	.80	83.3	86.0	ESE	0.6					
7 ,,	.662	.774	84.6	78.5	6.1	76.2	.888	.77	85.0	86.1	SE b E	0.5					
8 ,,	.672	.790	87.0	79.0	8.0	76.0	.882	.71	86.4	86.2	,,	0.4					
9 ,,	.679	·819	89.0	79.0	10.0	75.2	.860	.65	87.3	86.3	,,	0.2					
10 ,,	.665	·777	90.4	80.0	10.4	76.2	.888	.64	88·0	86.4	SSE	0.2					
11 ,,	.655	.758	91.5	80.5	11.0	76.5	.897	.63	89.0	86.6	S	0.4					
Noon.	.637	.681	88.0	81.0	7.0	78.5	.956	.74	87.4	86.6	SSW	0.8					
1 p. m.	.613	·666	88.8	81.0	7.8	78.2	.947	.72	87.5	86.6	S	0.7					
2 ,,	.587	·637	88.8	81.3	7.5	78.7	.960	.73	87.5	86.8	SW b S	0.7					
3 ,,	·583	·630	86.3	80.5	5.8	78.4	.953	.78	86.2	86.8	,,	1.4					
4 ,,	·583	.625	87.8	81.0	6.8	78.6	·958	.75	87.0	86.9	SSW	1.0					
5 ,,	.591	.624	87.0	81.0	6.0	78.9	·967	.78	86.9	86.9	SW	0.8					
6 ,,	.604	.642	82.8	79.8	3.0	78.7	·962	.88	84.6	86.9	,,	0.3	0.05				
7 ,,	.627	.661	82·4	79.8	2.6	78.9	·966	.89	84.2	86.8	WSW	0.3	0·04	—	Out of Sc.	Out of Sc.	Instantly.
8 ,,	.638	.679	81.5	79.4	2.1	78.6	·959	.91	83.6	86.7	NNW	0.3	0·02	—	Out of Sc.	Out of Sc.	Instantly.
9 ,,	·651	·678	81.4	79.7	1.7	79.1	·973	.95	83.4	86.5	NW	0.2	0·04	—	Out of Sc.	Out of Sc.	Instantly.
10 ,,	·648	·711	82.0	79.0	3.0	77.9	·937	.88	83.3	86.4	NW b W	0.3	0.01	—	14	10	0·03
11 ,,	.648	·753	82.0	78.0	4.0	76.5	·895	.84	83.2	86.4	SW	0.5					
June 8th-Midnight	.617	.727	78.8	77.0	1.8	76.3	.890	.92	80.5	85.0	SE	1.3					
1 a. m.	.602	.714	79.0	77.0	2.0	76·2	·888	.92	80.3	84.9	SSE	1.0	0.02				
2 ,,	.586	.693	79.0	77.0	2.0	76.2	·888	.92	80.3	84.7	SE b S	0.6	0.05				
3 ,,	.578	.692	79.2	77·0	2.2	76.1	.886	.91	80·4	84.7	SE	0.6					
4 ,,	.567	.667	79.8	77·5	2.3	76.6	·900	.90	80.8	84.7	,,	0.8					
5 ,,	.560	.660	79.8	77.5	2.3	76.6	·900	.90	80.5	84.7	,,	1.0					
6 ,,	.577	.677	80.4	77.7	2.7	76.6	·900	.89	81.6	84.7	SE b S	0.8		+	6		1.18
7 ,,	.595	.702	82.2	78.0	4.2	76.4	.893	.83	83.2	84.8	,,	0.8		+ + +	2		Above 10m.
8 ,,	.606	.680	83.0	79.0	4.0	77.5	·926	.84	83.7	84·8	,,	1.0		+ + +	1		Above 10m.
9 ,,	.615	.688	84.4	79.4	5.0	77.6	·927	.81	84.1	84.8	,,	1.0		+	1		Above 10m.
10 ,,	.621	.675	85.0	80.0	5.0	78.2	·946	.81	84.5	84.9	S b E	2.0					
11 ,,	.616	.699	84.2	79.1	5.1	77.2	·917	.80	84.3	84.9	,,	½ to 3½				None.	
Noon.	.617	.688	82.0	78.8	3.2	77.6	·929	.87	83.2	84.9	,,	1 to 3½	0.03				
1 p. m.	.598	.684	82.2	78.5	3.7	77.1	·914	.85	83.2	85.0	S	0 to 3¼					
2 ,,	.567	.643	83.2	79.0	4.2	77.5	·924	.83	83.3	85.0	,,	¼ to 2¾					
3 ,,	.544	.639	81.1	78.0	3.1	76.8	·905	.87	82.2	85.0	S b E	¼ to 2¼					
4 ,,	.535	.625	80.6	78.0	2.6	77.0	·910	.89	81.7	85.0	,,	¼ to 2					
5 ,,	.519	.602	80.0	78.0	2.0	77.2	·917	.92	81.5	84.9	,,	¼ to 2					
6 ,,	.529	.630	81.6	78.0	3.6	76.6	·899	.86	82.0	84.9	SSE	¼ to 2					
7 ,,	.535	.636	81.6	78.0	3.6	76.6	·899	.86	82.0	84.8	,,	¼ to 2					
8 ,,	.547	·639	81.0	78.0	3.0	76.8	·906	.88	82.0	84.8	,,	¼ to 1½					
9 ,,	.573	.684	80.4	77.4	3.0	76.3	·889	·88	81.6	84.8	,,	¼ to 2					
10 ,,	.575	.693	80.3	77.2	3.1	76.0	·882	.87	81.5	84.7	,,	¼ to 2⅔					
11 ,,	.571	.688	80.2	77.2	3.0	76.0	·883	.88	81.2	84.6	,,	¼ to 1⅔					
June 9th-Midnight	.571	.694	80.0	77.0	3.0	75.8	·877	.88	81.0	84.5	SSE	2.4	0.01				
1 a. m.	.554	.672	78.8	76.8	2.0	76.0	·882	·92	80·2	84.2	,,	2.0	0.01				
2 ,,	.540	.645	79.5	77·3	2.2	76.5	·895	.91	80.5	84.2	,,	2.0					
3 ,,	.526	.615	79.8	77.8	2.0	77.0	·911	.92	80.7	84·2	,,	1.0					
4 ,,	.539	.638	79.7	77.5	2.2	76.7	·901	.91	80.7	84.2	,,	1·0					
5 ,,	.547	.645	79.6	77.5	2.1	76.7	·902	.91	80.7	84.2	,,	1.2					
6 ,,	.578	.678	79.4	77.4	2.0	76.6	·900	.92	80.3	84.2	,,	0.8		None.	None.	None.	None.
7 ,,	.596	.690	81.0	78.0	3.0	76·8	·906	.88	81·5	84.2	,,	0.8					
8 ,,	.605	.708	81.8	78.0	3.8	76.5	·897	.85	82.0	84.3	,,	0.7					
9 ,,	.615	.700	84.0	79.0	5.0	77.2	·915	.81	83.2	84.4	SE	0.8					
10 ,,	.610	.692	86.8	79.8	7.0	77.3	·918	·74	85.0	84.5	S b E	1.9					
11 ,,	.610	.685	85.0	79.5	5.5	77.5	·925	.79	84.5	84.5	S	1 to 4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌒ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
6	C	∿ scattered about moving NNE; lightning in S at intervals of 2½m.; rain between 0h. 5m. and 0h. 16m.; fresh breezes of wind [from S.	Mean daily temperature of ground 20 and 60 inches below its surface 88°6 and 86°5. Daily fall of rain by Osler's Gauge 0·13 in. Maximum tension of Electricity by Henly's apparatus 10. Maximum length of the spark by Ronald's measure 0·13 in. 6th June was the 5th day on which lightning and thunder were both registered; it was the 9th rainy day; it was also the 23rd day on which the direction of wind was abnormal.
7	B	∿ around hor. and ∿ scattered about.	
7	B	" "	
7	B	" "	
7	B	Clouded as before; a lunar-halo observed at 4h. 28m.	
7	G	Clouded as before; a lunar-halo.	
7	G	∿ scattered about moving N.	
7	G	∿ and ∿ scattered about, the former moving N.	
7	G	" " "	
6	C	Clouded with ∿, ∿ and ∿; the former moving N.	
5	C	" " "	
6	C	∿ and ∿ scattered about, both moving N.; rain at 11h. 18m. and at 11h. 41m. which lasted 18m. and 19m.	
7	C	Densely clouded with ∿ moving N; slight rain between 12h. and 12h. 17m.	
7	B	∩ along E hor.; ∿ scattered about moving N; drops of rain fell from 1h. 17m. to 1h. 22m.	
5	B	Clouded as before; no rain.	
4	B	" "	
7	B	" "	
7	C	∩ along E hor.; ∿ scattered throughout moving N; slight rain from 5h. 10m. to 5h. 14m. and 5h. 20m. to 6h.	
7	C	Clouded as before; thunder in SW; lightning in SW; rain commenced at 6h. 15m.	
8	C	Overcast with ∿ moving NNE; lightning in SW in every ½m.; thunder in W; raining lightly.	
8	C	Overcast; continuous lightning and thunder in W; raining.	
8	C	" " "	
8	C	Overcast with ∿ moving N; lightning in NW in every ½m.; thunder in W at intervals of about 3m.	
6	C	∿ scattered about moving N; lightning in W at intervals of 1½m.	
7	C	Densely clouded with ∿ moving N; lightning in W; rain from 0h. 45m. to 0h. 52m.; fresh breezes of wind from SE.	Mean daily temperature of ground 20 and 60 inches below its surface 88°2 and 86°5. Daily fall of rain by Osler's Gauge 0·09 in. 8th June was the 24th day on which lightning was seen after sunset; it was the 10th rainy day.
8	B	Overcast with ∿ moving NE; rain fell from 1h. 30m. to 1h. 50m.	
8	B	Overcast with ∿ moving N.	
8	B	" "	
7	B	Densely clouded with ∿ moving N; a lunar-halo.	
7	G	Clouded as before; fresh breezes of wind from SE.	
5	G	∿ and ∿ scattered about, the former moving NE; fresh breezes of wind from SE.	
5	G	Clouded as before; light mist along E hor.	
7	G	Densely clouded with ∿ moving NNE; a few drops of rain fell from 8h. 18m. to 8h. 20m.; fresh breezes of wind from S.	
7	C	Densely clouded; fresh breezes of wind from SE.	
6	C	" " "	
8	C	Overcast with ∿ moving N; rain commenced at 11h. 26m.; fresh breezes of wind blowing from SE.	
8	C	Overcast; rain and wind as before.	
8	B	Overcast; a few drops of rain at 1h. 58m.; fresh breezes of wind from SSE.	
8	B	Overcast; moderate gale of wind from SSE; a few drops of rain at 2h. 25m.	
8	B	Clouded as before; gale of wind from SSE; light rain falling.	
8	B	" " " "	
8	G	∿ scattered throughout moving NE; fresh breezes from S.	
7	G	" " " "	
7	G	" " " "	
7	G	Overcast; wind from S as before.	
8	C	" " "	
8	C	Overcast with ∿ moving N; strong breezes of wind from SE.	
7	C	Densely clouded with ∿ moving N; rain commenced a 11h. 55m.	
8	C	Overcast with ∿ moving N; rain ceased at 0h. 50m.	Mean daily temperature of ground 20 and 60 inches below its surface 88°0 and 86°5. Daily fall of rain by Osler's Gauge 0·02 in. 9th June was the 11th rainy day.
8	B	Overcast; slight rain now and then; strong wind from SE.	
8	B	Overcast; a few drops of rain fell at 2h. 25m.	
6	B	∿ scattered about moving N.	
8	B	" "	
8	G	" "	
7	G	∿ scattered about moving NE; mist along E hor.	
7	G	" " "	
7	G	" " "	
6	C	" " "	
6	C	∿, ∿ and ∿ scattered about, the former moving NE.	
6	C	∿ scattered about moving N; strong wind from SE.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 9th-Noon.	29.600	28.662	83°4	79°4	4°0	77°9	0.938	0.84	83°2	84°6	S	1 to 7½					
1 p. m.	.578	.689	86.0	78.9	7.1	76.3	.889	.74	84.5	84.7	SSE	1 to 4½					
2 „	.565	.639	86.8	80.0	6.8	77.5	.926	.75	85.2	84.8	„	½ to 5					
3 „	.561	.660	85.3	79.0	6.3	76.7	.901	.76	84.5	84.9	„	½ to 6¾					
4 „	.527	.634	84.1	78.5	5.6	76.4	.893	.78	84.1	85.0	„	½ to 4					
5 „	.532	.617	84.0	79.0	5.0	77.2	.915	.81	84.0	85.0	S E b S	½ to 4½					
6 „	.546	.624	83.4	79.0	4.4	77.4	.922	.83	83.5	85.0	„	½ to 4½					
7 „	.573	.653	82.8	78.8	4.0	77.3	.920	.84	83.0	84.9	SE	½ to 2½	None.	None.	None.	None.	None.
8 „	.587	.673	82.4	78.5	3.9	76.7	.902	.85	83.0	84.9	„	0 to 2½					
9 „	.603	.708	82.0	78.0	4.0	76.5	.895	.84	82.9	84.9	„	½ to 2					
10 „	.613	.754	81.6	77.0	4.6	75.2	.859	.82	82.5	84.8	„	½ to 2					
11 „	.602	.740	81.4	77.0	4.4	75.3	.862	.82	82.2	84.7	„	½ to 2					
June 10th-Midnight	.595	.731	81.2	77.0	4.2	75.4	.864	.83	82.0	84.7	SE	2.5					
1 a. m.	.578	.712	81.0	77.0	4.0	75.4	.866	.84	81.8	84.6	„	½ to 1					
2 „	.577	.701	80.1	77.0	3.1	75.8	.876	.87	81.1	84.6	„	1 to 2					
3 „	.562	.666	80.1	77.5	2.6	76.5	.896	.89	80.9	84.4	„	1.8	0.05				
4 „	.555	.677	79.9	77.0	2.9	75.9	.878	.88	80.9	84.3	„	1.7					
5 „	.578	.694	79.4	77.0	2.4	76.1	.884	.90	80.0	84.3	„	2.0	0.05				
6 „	.600	.697	79.8	77.6	2.2	76.7	.903	.91	80.5	84.3	„	2.4					
7 „	.634	.721	80.4	78.0	2.4	77.1	.913	.90	81.2	84.4	„	2.0					
8 „	.662	.774	79.0	77.0	2.0	76.2	.888	.92	80.2	84.4	SSE	1.8	0.08				
9 „	.682	.792	78.8	77.0	1.8	76.3	.890	.92	80.2	84.4	SE	0 to 1 ½	0.09				
10 „	.682	.796	80.3	77.3	3.0	76.1	.886	.88	80.4	84.4	SW b S	0.5	0.06				
11 „	.707	.808	78.0	77.0	1.0	76.6	.899	.96	80.0	84.2	SSE	0.6	0.30				
Noon.	.695	.810	78.2	76.7	1.5	76.1	.885	.94	80.0	84.1	SSW	0.5	0.57	None.	None.	None.	None.
1 p. m.	.658	.752	81.0	78.0	3.0	76.8	.906	.88	81.1	84.0	SSE	1.0	0.01				
2 „	.640	.756	83.0	78.0	5.0	76.1	.884	.80	82.3	84.1	„	0.8					
3 „	.620	.736	83.0	78.0	5.0	76.1	.884	.80	82.3	84.2	S b E	1.7					
4 „	.610	.731	81.7	77.5	4.2	75.9	.879	.83	82.0	84.2	„	1.0					
5 „	.616	.719	81.8	78.0	3.8	76.5	.897	.85	82.0	84.2	„	1.0					
6 „	.618	.690	81.7	78.7	3.0	77.6	.928	.88	81.8	84.2	„	1.2					
7 „	.631	.683	81.9	79.0	2.0	78.3	.948	.92	81.5	84.1	„	¼ to 1½					
8 „	.656	.708	81.0	79.0	2.0	78.3	.948	.92	81.5	84.0	„	¼ to 2¼					
9 „	.676	.776	80.8	77.8	3.0	76.6	.900	.88	81.4	84.0	S	2.0					
10 „	.681	.796	80.4	77.3	3.1	76.1	.885	.87	81.2	84.0	„	1.7					
11 „	.687	.810	80.0	77.0	3.0	75.8	.877	.88	81.0	83.9	SSE	1.6					
June 11th-Midnight	.674	.811	79.5	76.5	3.0	75.3	.863	.88	80.6	83.9	SSE	1.5	0.01				
1 a. m.	.666	.798	79.8	76.7	3.1	75.5	.868	.87	80.7	83.9	„	1.0					
2 „	.639	.771	79.0	76.5	2.5	75.5	.868	.90	80.1	83.7	„	1.4					
3 „	.639	.781	78.2	76.0	2.2	75.1	.858	.91	79.5	83.6	„	1.5					
4 „	.641	.818	77.8	75.0	2.8	73.8	.823	.88	79.1	83.5	„	1.0					
5 „	.639	.781	78.2	76.0	2.2	75.1	.858	.91	79.7	83.5	„	1.0					
6 „	.664	.784	79.0	76.8	2.2	75.9	.880	.91	80.0	83.5	SE b S	0.8					
7 „	.688	.811	80.0	77.0	3.0	75.8	.877	.88	81.0	83.6	„	0.8					
8 „	.689	.810	81.7	77.5	4.2	75.9	.879	.83	81.5	83.7	S b E	1.0					
9 „	.693	.835	82.8	77.3	5.5	75.1	.858	.79	82.0	83.7	„	1.4					
10 „	.699	.826	84.0	78.0	6.0	75.7	.873	.77	83.0	83.8	„	1.9					
11 „	.685	.767	83.7	79.0	4.7	77.3	.918	.82	83.1	83.9	S	2.4					
Noon.	.671	.719	85.2	80.2	5.0	78.4	.952	.81	84.0	84.0	SSE	2.0					
1 p. m.	.659	.709	86.6	80.5	6.1	78.3	.950	.77	84.4	84.1	S	0.7		None.	None.	None.	None.
2 „	.656	.731	86.9	80.0	6.9	77.5	.925	.75	84.8	84.3	„	1.2					
3 „	.648	.719	86.5	80.0	6.5	77.6	.929	.76	84.8	84.4	„	1.8					
4 „	.637	.722	84.0	79.0	5.0	77.2	.915	.81	83.8	84.5	SSE	1.5					
5 „	.644	.730	82.2	78.5	3.7	77.1	.914	.85	83.5	84.5	S b E	1.8	0.02				
6 „	.655	.726	82.0	78.8	3.2	77.6	.929	.87	83.0	84.4	S	1.0					
7 „	.675	.744	81.8	78.8	3.0	77.7	.931	.88	82.5	84.3	„	0.7					
8 „	.684	.738	81.2	79.0	2.2	78.2	.946	.91	82.0	84.2	„	1.0	0.02				
9 „	.704	.779	81.2	78.5	2.7	77.5	.925	.89	82.0	84.1	„	1.0	0.01				
10 „	.713	.788	81.6	78.6	3.0	77.5	.925	.88	82.0	84.1	„	1.3					
11 „	.704	.766	81.2	78.8	2.4	77.9	.938	.90	81.9	84.1	SSE	1.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌐i cirro-strati; ∩i cumulo-strati; and ∿i nimbi.	
8	C	Overcast, strong wind from SE.	
7	B	∿i and ∿i scattered about the former moving N; strong wind from SSE.	
6	B	Clouds and wind as before.	
6	B	" "	
6	B	" "	
6	G	" "	
6	G	∿i, ∿i and ⌐i scattered about, the former moving N; strong wind from SSE.	
6	G	Clouds and wind as before.	
8	G	Densely clouded with ∿i moving NNE.	
7	C	" " "	
6	C	∿i scattered about moving NE.	
6	C	" "	
8	C	Overcast with ∿i moving N; slight rain from 0h. 5m. to 0h. 16m.	Mean daily temperature of ground 20 and 60 inches below its surface 87°8 and 86°6. Daily fall of rain by Osler's Gauge 1·21 in. 10th June was the 12th rainy day.
5	B	∿i scattered about moving N; strong wind.	
8	B	Overcast; light rain from 2h. 15m. to 2h. 22m.	
8	B	Overcast with ∿i moving NNE; a few drops of rain fell at 3h. 6m.	
4	B	∿i scattered about moving N; rain fell from 4h. 34m. to 4h. 54m.	
6	G	∿i scattered about moving NE; a few drops of rain fell at 5h. 0m.	
6	G	∿i scattered about moving NE; no rain.	
7	G	∿i scattered throughout; rain commenced at 7h. 3m.	
8	G	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ∿i moving N; rain ceased at 0h. 20m.; slight rain commenced at 0h. 52m.	
8	B	Overcast; rain ceased at 1h. 12m.	
5	B	∿i scattered about moving N.	
5	B	∿i scattered about moving N; drops of rain fell between 3h. 26m. and 3h. 35m.	
7	B	∿i scattered throughout moving NNE.	
6	G	∿i and ∿i scattered throughout, the former moving N.	
5	G	∿i, ∿i and ⌐i scattered throughout; fresh breezes of wind from S.	
5	G	" " "	
5	G	∿i, ∿i and ⌐i scattered about, the former moving N.	
5	C	" " "	
6	C	∿i scattered about moving N; fresh breezes of wind from SE.	
6	C	Clouded as before; rain from 11h. 32m. to 11h. 46m.; fresh breezes of wind from SE.	
7	C	Densely clouded with ∿i moving N; fresh breezes of wind from SE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°5 and 86°6. Daily fall of rain by Osler's Gauge 0·03 in. 11th June was the 13th rainy day.
8	B	Overcast with ∿i moving N.	
8	B	Overcast; fresh breezes of wind; drops of rain fell from 2h. 30m. to 2h. 45m.	
8	B	Overcast with ∿i moving NNE; a few drops of rain fell from 3h. 6m. to 3h. 9m.	
8	B	Overcast; no rain.	
8	G	Overcast; a few stars dimly visible in NE.	
7	G	∿i and ∿i scattered about, the former moving NNE; mist in hor.	
7	G	Clouded as before.	
7	G	"	
7	C	"	
7	C	∿i scattered about moving NNE; fresh breezes of wind from S; drops of rain fell between 10h. 11m. and 10h. 21m.	
6	C	∿i and ∿i scattered about, the former moving NNE; fresh breezes of wind from S.	
6	C	Clouded as before but the motion of clouds was N; fresh beezes of wind from S.	
3	B	∿i scattered about moving N.	
4	B	∿i, ∿i and ⌐i scattered about.	
5	B	∿i and ∿i scattered about, the former moving NNE; strong wind; drops of rain fell between 3h. 26m. and 3h. 32m.	
8	B	Overcast with ∿i moving N; fresh breezes of wind from S; drops of rain at 4h. 27m.	
7	G	Densely clouded with ∿i moving NNE.	
7	G	∿i and ∿i scattered about, the former moving NNE.	
8	G	Overcast with ∿i moving N; drops of rain fell from 7h. 20m. to 7h. 49m.	
8	G	Overcast; light rain from 8h. 29m. to 8h. 46m.; fresh breezes of wind from SSE.	
8	C	Overcast; fresh breezes of wind.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Streams of Volta 1.	Electrical Instruments. Readings of Streams of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 12th-Midnight	29.684	28.749	80°7	78°6	2°1	77°8	0.935	0.91	81°6	84°0	S b E	1.0					
1 a. m.	.674	.825	79.0	76.0	3.0	74.8	.849	.88	80.5	84.0	„	0.8					
2 „	.665	.808	78.3	76.0	2.3	75.1	.857	.90	80.0	83.8	„	1.2					
3 „	.643	.772	79.5	77.2	2.3	76.3	.891	.90	80.3	83.6	S	0.8					
4 „	.643	.755	79.0	77.0	2.0	76.2	.888	.92	80.2	83.6	„	0.8					
5 „	.639	.751	79.0	77.0	2.0	76.2	.888	.92	80.0	83.6	SSE	0.8					
6 „	.663	.777	79.2	77.0	2.2	76.1	.886	.91	80.0	83.6	„	0.7	0.01				
7 „	.679	.778	80.4	77.4	3.0	76.6	.899	.88	81.0	83.5	„	0.6					
8 „	.697	.818	81.7	77.5	4.2	75.9	.879	.83	82.0	83.6	S b E	0.5					
9 „	.711	.804	83.2	78.6	4.6	76.9	.907	.82	82.4	83.7	„	0.9		None.	None.	None.	None.
10 „	.703	.774	84.7	79.5	5.2	77.6	.929	.80	83.2	83.9	S	0.6					
11 „	.689	.769	84.7	79.3	5.4	77.3	.920	.79	83.4	84.0	S b E	0.6					
Noon.	.684	.771	85.3	79.3	6.0	77.1	.913	.77	84.3	84.1	S	0.5					
1 p. m.	.671	.765	85.6	79.2	6.4	76.8	.906	.76	84.3	84.2	„	0.5					
2 „	.659	.751	85.4	79.2	6.2	76.9	.908	.76	84.3	84.3	„	0.8					
3 „	.635	.703	85.5	79.8	5.7	77.7	.932	.78	84.6	84.4	„	0.8					
4 „	.627	.742	84.4	78.4	6.0	76.1	.885	.77	84.1	84.4	„	0.8					
5 „	.632	.699	82.4	79.0	3.4	77.8	.933	.86	83.0	84.4	„	0.6	0.05				
6 „	.652	.721	81.8	78.8	3.0	77.7	.931	.88	83.0	84.3	„	0.6					
7 „	.657	.775	81.6	77.5	4.1	76.0	.882	.84	82.2	84.3	„	0.5					
8 „	.683	.817	81.0	77.0	4.0	75.4	.866	.84	82.0	84.2	„	0.6					
9 „	.692	.824	80.8	77.0	3.8	75.5	.868	.85	82.0	84.2	„	0.6					
10 „	.694	.796	80.2	77.6	2.6	76.6	.898	.89	81.9	84.2	SSE	0.5	0.01				
11 „	.680	.765	80.2	78.0	2.2	77.2	.915	.91	81.2	84.1	„	0.6					
June 13th-Midnight	.686	.868	79.3	75.3	4.0	73.6	.818	.84	81.0	84.0	SSE	0.4	0.02				
1 a. m.	.663	.787	78.3	76.5	1.8	75.8	.876	.92	79.9	83.8	„	0.2	0.04				
2 „	.653	.793	78.0	76.0	2.0	75.2	.860	.92	79.7	83.6	S b W	0.5	0.13				
3 „	.647	.774	78.2	76.4	1.8	75.7	.873	.92	79.7	83.5	S	0.2	0.05				
4 „	.633	.759	78.5	76.5	2.0	75.7	.874	.92	80.0	83.4	SSE	0.5	0.01				
5 „	.639	.768	78.8	76.5	2.3	75.6	.871	.90	80.0	83.4	„	0.5	0.01				
6 „	.669	.769	79.4	77.4	2.0	76.6	.900	.92	80.2	83.4	„	0.4	0.04				
7 „	.677	.762	80.2	78.0	2.2	77.2	.915	.91	80.5	83.4	SSW	0.5	0.10				
8 „	.692	.792	80.8	77.8	3.0	76.6	.900	.88	80.8	83.4	S	0.4	0.03				
9 „	.701	.757	81.4	79.0	2.4	78.1	.944	.90	81.5	83.5	„	0.5	0.02				
10 „	.701	.766	83.3	79.3	4.0	77.8	.935	.84	82.3	83.6	„	0.5	0.02				
11 „	.695	.707	86.7	81.4	5.3	79.6	.988	.80	85.0	83.8	„	0.7	0.04				
Noon.	.688	.762	83.0	79.0	4.0	77.5	.926	.84	84.0	83.9	SW	0.5	0.04	None.	None.	None.	None.
1 p. m.	.681	.792	82.5	78.0	4.5	76.3	.889	.82	83.2	84.0	WSW	0.2					
2 „	.653	.794	81.6	77.0	4.6	75.2	.859	.82	82.2	84.0	NW b W	0.4					
3 „	.644	.752	78.6	77.0	1.6	76.4	.892	.93	80.3	84.0	W	0.2	0.40				
4 „	.637	.762	80.2	77.0	3.2	75.8	.875	.91	81.2	84.0	SW b W	0.2	0.13				
5 „	.641	.764	80.0	77.0	3.0	75.8	.877	.88	81.0	84.0	S b W	0.2	0.30				
6 „	.649	.778	78.8	76.5	2.3	75.6	.871	.90	80.0	83.6	SW b S	0.6	0.80				
7 „	.662	.763	78.0	77.0	1.0	76.6	.899	.96	79.1	83.5	S	0.5	1.23				
8 „	.686	.787	78.0	77.0	1.0	76.6	.899	.96	79.0	83.4	„	0.5	0.17				
9 „	.711	.813	77.3	76.8	0.5	76.6	.898	.98	77.3	83.3	„	0.4	0.23				
10 „	.714	.843	77.0	76.0	1.0	75.6	.871	.96	77.0	83.2	SSW	0.3	0.18				
11 „	.713	.842	77.0	76.0	1.0	75.6	.871	.96	77.0	83.2	S	0.4	0.01				
June 15th-Midnight	.654	.755	78.0	77.0	1.0	76.6	.899	.96	79.5	82.6	WSW	0.5	0.10				
1 a. m.	.641	.742	78.0	77.0	1.0	76.6	.899	.96	79.5	82.6	W	0.2	0.10				
2 „	.607	.708	78.0	77.0	1.0	77.6	.899	.96	79.5	82.6	WSW	0.2	0.10				
3 „	.586	.685	78.6	77.2	1.4	76.7	.901	.94	79.8	82.6	SW b S	0.1	0.09				
4 „	.580	.686	79.2	77.2	2.0	76.4	.894	.92	80.0	82.6	SSW	0.0		None.	None.	None.	None.
5 „	.591	.694	78.2	77.0	1.2	76.5	.897	.95	80.0	82.6	NW	0.1	0.23				
6 „	.599	.686	77.8	77.3	0.5	77.1	.913	.98	79.4	82.6	WSW	0.1	0.07				
7 „	.613	.691	77.4	77.4	0.0	77.4	.922	1.00	79.0	82.5	„	0.1	0.28				
8 „	.618	.690	79.0	78.0	1.0	77.6	.928	0.96	79.3	82.4	„	0.3	0.09				
9 „	.633	.714	79.7	78.0	1.7	77.3	.919	.92	79.7	82.5	„	0.4	0.05				
10 „	.635	.775	78.0	76.0	2.0	75.2	.860	.92	79.4	82.5	„	0 to 1½	0.08				
11 „	.634	.761	78.6	76.5	2.1	75.7	.873	.91	79.4	82.5	„	¼ to ½	0.25				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ∿ *nimbi*.	
7	C	Densely clouded with ∿ moving N; fresh breezes of wind from SSE.	Mean daily temperature of ground 20 and 60 inches below its surface 87°2 and 86°5. Daily fall of rain by Osler's Gauge 0·05in. 12th June was the 25th day on which lightning was seen after sunset; it was the 14th rainy day.
6	B	∿ scattered about moving N; drops of rain fell from 1h. 45m. to 1h. 51m.	
7	B	Densely clouded with ∿ moving NNE; lightning in S hor. at intervals of 2m. 20s.	
7	B	Densely clouded with ∿ moving NNE; lightning in S hor. at intervals of 3m. 10s.	
6	B	Clouded as before; lightning in S hor.	
7	G	∿ and ∿ scattered about, the former moving NE; drops of rain fell from 5h. 21m. to 5h. 32m.	
7	G	Densely clouded with ∿ moving NE; mist along W hor.; a few drops of rain at 6h. 0m.	
7	G	Clouded as before.	
7	G	"	
6	C	∿ scattered about moving NNE; drops of rain fell from 9h. 51m. to 9h. 55m.	
7	C	Clouded as before; no rain.	
8	C	Overcast with ∿ moving N.	
8	C	" "	
7	B	Overcast with ∿ moving NNE.	
7	B	∿ and ∿ scattered about.	
8	B	∿ and ∿ scattered throughout.	
8	B	Overcast with ∿ moving NE; light rain now and then.	
8	G	Overcast; mist along E hor.	
8	G	" "	
8	G	Overcast; a few drops of rain at 7h. 0m.	
8	G	Overcast with ∿ moving N; drops of rain fell at 8h. 11m. and after 8h. 54m.	
8	C	Overcast; rain ceased to fall at 9h. 22m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain from 11h. 18m. to 11h. 36m.	
8	C	Overcast with ∿ moving N; light rain from 0h. 24m. to 0h. 35m.	Mean daily temperature of ground 20 and 60 inches below its surface 87°0 and 86°5. Daily fall of rain by Osler's Gauge 3·77in. The temperature of Evaporation at 11 A.M. was 81°4 highest during the month and 0°9 higher than the Normal Mean. 13th June was the 24th day on which the direction of wind was abnormal; it was the 15th rainy day.
8	B	Overcast with ∿ moving NNE; light rain from 1h. 3m. to 1h. 18m. and from 1h. 27m. to 1h. 38m.	
8	B	Overcast with ∿ moving N; light rain from 2h. 3m. to 2h. 9m. and from 2h. 47m. to 2h. 54m.	
8	B	Overcast with ∿ moving NNE; rain from 3h. 8m. to 3h. 14m.	
7	B	Densely clouded with ∿ moving NNE; light rain at 4h. 41m. and at 4h. 58m.	
7	G	Densely clouded with ∿ moving NNE; rain from 5h. 0m. to 5h. 7m.; drizzling rain commenced at 5h. 48m.	
8	G	Overcast with ∿ moving NE; rain ceased at 6h. 52m. but recommenced at 6h. 59m.	
8	G	Overcast; rain ceased at 7h. 24m.	
8	G	Overcast; a few drops of rain at the time of observation.	
8	C	Overcast; drizzling rain commenced at 9h. 55m.	
8	C	Overcast; drizzling rain ceased at 10h. 21m.	
8	C	Overcast; rain commenced at 11h. 37m.	
8	C	Overcast; rain ceased at 0h. 12m.; a few drops of rain from 0h. 50m. to 0h. 55m.	
8	B	Overcast; drops of rain fell from 1h. 45m. to 1h. 48m.	
8	B	Overcast with ∿ moving E; light rain at 2h. 32m. which lasted at 2h. 40m. but recommenced 2h. 41m.	
8	B	Overcast with ∿ moving ENE; rain ceased at 3h. 15m.	
8	B	Overcast; rain commenced at 4h. 52m.	
8	G	Overcast; raining.	
8	G	" "	
8	G	Overcast; rain ceased at 7h. 37m. but recommenced at 7h. 44m.	
8	G	Overcast; raining.	
8	G	" "	
8	G	Overcast; rain ceased at 10h. 29m.	
8	G	Overcast; passing rain between 11h. 3m. and 11h. 9m.	
8	C	Overcast with ∿ moving NE; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 86°6 and 86°4. Daily fall of rain by Osler's Gauge 3.18in. Temperature of Free Air at 8 P.M. was 76°5 lowest in the month and about 6°1 lower than the Normal Mean. 15th June was the 25th day on which the direction of wind was abnormal; it was the 16th rainy day.
8	B	Overcast with ∿ moving ENE; raining.	
8	B	Overcast; rain ceased at 2h. 50m.	
8	B	Overcast with ∿ moving E.	
8	B	Overcast; light rain from 4h. 22m. to 4h. 58m.	
8	G	Overcast; rain commenced at 5h. 38m.	
8	G	Overcast with ∿ moving NE; raining.	
8	G	Overcast; rain ceased at 7h. 38m.	
8	G	Overcast; rain commenced at 8h. 9m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds after the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 15th–Noon.	29.631	28.758	78°6	76°5	2°1	75°7	0.873	0.91	79°3	82°4	WSW	½ to 2	0.05				
1 p. m.	.619	.751	77.3	76.0	1.3	75.5	.868	.94	78.5	82.3	SW	1 to 7	0.29				
2 „	.607	.725	77.8	76.5	1.3	76.0	.882	.94	78.9	82.3	WSW	1 to 3	0.24				
3 „	.583	.720	77.7	76.0	1.7	75.3	.863	.93	78.9	82.3	SW	0.5	0.05				
4 „	.580	.702	78.1	76.5	1.6	75.9	.878	.93	79.1	82.2	SW b S	0.3	0.01	None.	None.	None.	None.
5 „	.583	.689	78.5	77.0	1.5	76.4	.893	.94	79.2	82.2	SSW	0.4	0.12				
6 „	.602	.714	79.0	77.0	2.0	76.2	.888	.92	79.5	82.2	SW	½ to 2½	0.00				
7 „	.614	.731	77.7	76.5	1.2	76.0	.883	.95	79.0	82.1	„	0.1	0.33				
8 „	.634	.777	76.5	75.5	1.0	75.1	.857	.96	78.3	82.0	WSW	0.0	0.37				
9 „	.650	.787	77.0	75.8	1.2	75.3	.863	.95	78.3	82.0	NW	0.2	0.19				
10 „	.648	.749	78.0	77.0	1.0	76.6	.899	.96	78.3	82.0	S	0.4	0.05				
11 „	.635	.742	78.5	77.0	1.5	76.4	.893	.94	78.4	82.0	SW	0.4	0.06				
June 16th-Midnight	.616	.723	78.5	77.0	1.5	76.4	.893	.94	78.5	81.9	SSW	0.3	0.01				
1 a. m.	.593	.701	78.6	77.0	1.6	76.4	.892	.93	79.0	81.9	„	0.3					
2 „	.573	.700	78.6	76.5	2.1	75.7	.873	.91	79.0	81.9	„	0.5					
3 „	.550	.684	79.2	76.5	2.7	75.4	.866	.89	79.8	81.9	S	0.8					
4 „	.550	.677	78.6	76.5	2.1	75.7	.873	.91	79.5	81.9	„	0.6	0.18				
5 „	.550	.682	79.0	76.5	2.5	75.5	.868	.85	80.0	81.9	SSW	0.3					
6 „	.557	.665	78.6	77.0	1.6	76.4	.892	.93	79.6	81.9	„	0.1	0.04				
7 „	.573	.688	80.2	77.2	3.0	76.1	.885	.88	80.0	82.0	„	0.2					
8 „	.581	.702	81.7	77.5	4.2	75.9	.879	.83	81.0	82.1	„	0.2					
9 „	.593	.673	83.5	79.0	4.5	77.3	.920	.82	82.0	82.2	SW	¼ to 1½					
10 „	.594	.633	85.6	80.5	5.1	78.7	.961	.81	82.4	82.4	SSW	1.0					
11 „	.591	.703	79.0	77.0	2.0	75.4	.888	.92	80.0	82.5	WSW	1.0	0.84				
Noon.	.579	.689	79.6	77.2	2.4	76.3	.890	.90	80.1	82.5	SW	0.5	0.08	None.	None.	None.	None.
1 p. m.	.565	.676	80.8	77.5	3.3	76.3	.889	.87	80.5	82.4	SW b S	1.5					
2 „	.550	.657	78.5	77.0	1.5	76.4	.893	.94	79.7	82.4	SW	1.0	0.05				
3 „	.538	.653	79.3	77.0	2.3	76.1	.885	.90	80.1	82.4	SSW	1.5	0.05				
4 „	.516	.640	78.3	76.5	1.8	75.8	.876	.92	79.5	82.4	SW	½ to 3	0.06				
5 „	.515	.627	79.0	77.0	2.0	76.2	.888	.92	79.8	82.4	„	0.4	0.04				
6 „	.537	.671	79.2	76.5	2.7	75.4	.866	.89	79.5	82.3	„	0.3					
7 „	.553	.693	79.4	76.4	3.0	75.2	.860	.88	79.5	82.2	„	0.2					
8 „	.562	.702	79.4	76.4	3.0	75.2	.860	.88	79.5	82.2	SW b S	0.2					
9 „	.588	.722	78.2	76.2	2.0	75.4	.866	.92	79.4	82.2	S	0.3	0.01				
10 „	.590	.697	78.5	77.0	1.5	76.4	.893	.94	79.3	82.2	„	0.3	0.02				
11 „	.582	.714	78.3	76.3	2.0	75.5	.868	.92	79.3	82.1	„	0.3					
June 17th-Midnight	.575	.686	78.2	76.8	1.4	76.3	.889	.94	79.3	82.1	SSE	0.4					
1 a. m.	.554	.662	78.6	77.0	1.6	76.4	.892	.93	79.4	82.0	S b E	0.2	0.01				
2 „	.539	.665	78.5	76.5	2.0	75.7	.874	.92	79.4	82.0	S b W	0.2					
3 „	.528	.719	76.7	74.3	2.4	73.3	.809	.90	78.4	82.0	WNW	0.0					
4 „	.533	.708	77.6	75.0	2.6	73.9	.825	.89	78.4	81.9	SSW	0.2	0.20				
5 „	.538	.717	78.0	75.0	3.0	73.8	.821	.87	78.5	81.9	SW b W	0.2	0.01				
6 „	.547	.677	79.6	76.7	2.9	75.6	.870	.88	79.6	81.9	SW b S	0.1	0.03				
7 „	.572	.699	80.4	77.0	3.4	75.7	.873	.86	80.0	82.0	SW	0.1					
8 „	.585	.727	82.8	77.3	5.5	75.1	.858	.79	82.0	82.1	„	0.3					
9 „	.595	.657	80.8	78.7	2.1	77.9	.938	.91	82.1	82.1	S b E	0.2	0.02				
10 „	.583	.628	80.4	79.0	1.4	78.5	.955	.94	82.4	82.2	„	0.3	0.07				
11 „	.578	.600	83.3	80.3	3.0	79.3	.978	.88	82.4	82.3	„	0.3					
Noon.	.565	.565	84.0	81.0	3.0	80.0	1.000	.88	82.6	82.4	SE b S	0.3		None.	None.	None.	None.
1 p. m.	.542	.583	83.8	80.0	3.8	78.6	0.959	.85	83.0	82.6	SSW	0.2	0.02				
2 „	.528	.569	84.6	80.2	4.4	78.6	.959	.83	83.1	82.8	S	0.2					
3 „	.519	.539	85.8	81.0	4.8	79.3	.980	.82	83.9	83.0	„	0.3					
4 „	.507	.521	85.3	81.0	4.3	79.5	.986	.83	83.9	83.2	SSW	0.2					
5 „	.501	.523	84.0	80.5	3.5	79.3	.978	.86	83.0	83.2	S	0.3	0.02				
6 „	.508	.588	83.5	79.0	4.5	77.3	.920	.82	82.5	83.3	SSW	0.2					
7 „	.524	.599	81.2	78.5	2.7	77.5	.925	.89	82.2	83.2	S	0.1					
8 „	.547	.599	81.0	79.0	2.0	78.3	.948	.92	82.0	83.1	„	0.2					
9 „	.557	.652	80.3	77.8	2.5	76.8	.905	.90	81.5	83.0	„	0.2					
10 „	.566	.655	80.5	78.0	2.5	77.0	.911	.90	81.3	83.0	S b E	0.3					
11 „	.558	.629	80.4	78.4	2.0	77.6	.929	.92	81.1	83.0	S	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
8	C	Overcast; raining; fresh breezes of wind from S.	
8	B	Overcast; raining; strong wind from S.	
8	B	Overcast with moving ENE; raining.	
8	B	Overcast with moving NE; raining lightly.	
8	B	Overcast; very slight rain.	
8	G	Overcast; rain ceased at 5h. 14m.	
8	G	Overcast; rain commenced from 6h. 8m.	
8	G	Overcast; raining.	
8	G	Overcast; rain ceased at 8h. 12m. but recommenced at 8h. 27m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	C	Overcast; rain ceased at 11h. 53m.	
8	C	Overcast with moving NNE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°5 and 86°4. Daily fall of rain by Osler's Gauge 1.24in. 16th June was the 17th rainy day.
8	B	Overcast with moving NE.	
8	B	" "	
8	B	Overcast; rain from 3h. 15m. to 3h. 27m.	
8	B	Overcast; no rain.	
8	G	Overcast; rain at 5h. 9m. and at 5h. 28m. which lasted 12 and 6m.	
8	G	Overcast; a few drops of rain fell at 6h. 38m.	
8	G	Overcast; no rain.	
8	G	Overcast with moving NNE.	
8	C	" "	
8	C	Overcast; rain commenced at 10h. 10m.	
8	C	Overcast; rain ceased at 11h. 27m. but recommenced at 11h. 42m.	
8	C	Overcast; rain ceased at 12h. 50m.	
8	B	Overcast with moving NE; rain commenced at 1h 20m.	
8	B	Overcast; raining.	
8	B	" "	
8	B	Overcast; rain ceased at 4h. 37m, but recommenced at 4h. 40m. and ceased at 4h. 52m.	
8	G	Overcast; drizzling rain from 5h. 10m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; rain commenced at 8h. 26m.	
8	C	Overcast; raining very lightly.	
8	C	Overcast; rain ceased at 10h. 29m.	
8	C	Overcast; rain commenced at 11h. 56m.	
8	C	Overcast with moving NE; rain ceased at 0h. 55m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 86°5. Daily fall of rain by Osler's Gauge 0.26 in. The temperature of Evaporation at 3 A.M. was 74°3 lowest in the month and about 3°2 lower than the Normal Mean; at noon the temperature of calculated Dew-point was 80°0 greatest in the month and about 2°4 greater than the Normal Mean. 17th June was the 26th day on which the direction of wind was abnormal; it was the 18th rainy day.
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; light rain at 3h. 20m. and at 3h. 50m. which lasted 10 and 5m.	
8	B	Overcast; light rain at 4h. 31m. which lasted 23m.	
8	G	Overcast; drops of rain fell from 5h. 28m. to 5h. 56m.	
8	G	Overcast; a few drops of rain fell at 6h. 00m.	
8	G	Overcast; no rain.	
8	G	Overcast; light rain from 8h. 7m. to 8h. 17m. and from 8h. 22m. to 8h. 58m.	
8	C	Overcast with moving NE; rain commenced at 9h. 27m. [58m.	
8	C	Overcast with moving NNE; rain ceased at 10h. 41m., but recommenced at 10h.	
8	C	Overcast; rain ceased at 11h. 27m.	
8	C	Overcast; light rain from 12h. 20m. to 12h. 30m.	
8	D	Overcast with moving NE.	
8	B	Overcast with moving NNE.	
8	B	" "	
8	B	Overcast; rain fell from 4h. 17m. to 4h. 23m.	
8	G	Overcast; no rain.	
8	G	Overcast; a rain-bow in E observed at 6h. 4m.	
8	G	Overcast; no rain.	
8	G	Overcast.	
8	C	"	
8	C	"	
8	C	Overcast; rain from 11h. 00m. to 11h. 6m.	

Bombay Civil Time. 1863.	Standard Barometer: Corrected to 32° Fahr.	Standard Barometer: Corrected for Moisture.	Thermometers: In the Air.	Thermometers: Wet Bulb Thermometer.	Thermometers: Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers: Thermometer 1 Inch in the Ground.	Ground Thermometers: Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge: Direction.	Wind from Osler's Gauge: Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments: Sign of Electricity + or −	Electrical Instruments: Readings of Straws of Volta 1.	Electrical Instruments: Readings of Straws of Volta 2.	Electrical Instruments: Interval of Time in Seconds between the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
June 18th-Midnight	29.543	28.590	80°5	79°0	1°5	78°4	0.953	0.94	80°6	82°9	S	0.2					
1 a. m.	.531	.620	80.5	78·0	2.5	77.0	.911	.90	80.9	82.9	S b W	0.2					
2 „	.511	.583	80.5	78.4	2.1	77.6	.928	.91	80.9	82.9	S	0.2					
3 „	.511	.651	79.8	76.5	3.3	75.2	.860	.86	80.8	82.9	WSW	0.3					
4 „	.510	.628	79.5	77.0	2.5	76.0	.882	.90	80.6	82.8	SSW	0.0	0·10				
5 „	.516	.615	80.0	77.6	2.4	76.7	.901	.90	80.2	82.8	SW	0.1					
6 „	.540	.621	79.8	78.0	1.8	77.3	.919	.92	79.9	82.7	S b W	0.2	0.05				
7 „	.559	.648	80.5	78.0	2.5	77.0	.911	.90	80.4	82.8	S	0.3					
8 „	.569	.632	82.0	79.0	3.0	77·9	.937	.88	81.5	82.9	„	0.3					
9 „	.583	.709	80.3	77.0	3·3	75.7	.874	.86	81.0	83.0	SSW	0.5	0.32				
10 „	.580	.677	79.5	77.5	2.0	76.7	.903	.92	80.4	82.9	„	0.4	0·09				
11 „	.574	.655	79.8	78·0	1.8	77.3	.919	.92	80.4	82.7	S	0·3	0.07	None.	None.	None.	None.
Noon.	.568	.663	79.6	77.6	2.0	76.8	.905	.92	80.3	82.7	SSW	0.4	0.11				
1 p. m.	.555	.635	79.7	78.0	1.7	77.3	.920	.93	80.2	82.7	„	0.5	0.10				
2 „	.549	.652	79.3	77.3	2.0	76.5	.897	.92	80.0	82.6	WSW	0.4	0.03				
3 „	.530	.617	80.4	78·0	2.4	77.1	.913	.90	80.7	82.6	„	0.5					
4 „	.528	.619	80.7	78.0	2.7	76.9	.909	.89	80.9	82.6	SW	0.3	0.01				
5 „	.528	.599	80.4	78.4	2.0	77.6	.929	.92	80.8	82.6	WSW	0.2	0.03				
6 „	.539	.591	78.3	78.3	0.0	78.3	.948	1.00	80.0	82.6	„	0.3	0.68				
7 „	.551	.603	78.3	78.3	0.0	78.3	.948	1.00	79.8	82.6	SW	0·2	0.05				
8 „	.570	.651	79.8	78.0	1.8	77.3	.919	0·92	80.0	82.5	SSW	0.3	0.02				
9 „	.584	.660	79.4	78.0	1.4	77.5	.924	.94	80.0	82.5	SW	0.3					
10 „	.591	.662	80.0	78.3	1.7	77.6	.929	.93	80.2	82.5	„	0.3					
11 „	.590	.647	79.6	78.5	1.1	78.1	.943	.95	80.1	82.4	„	1.0					
June 19th-Midnight	.584	.696	79.0	77.0	2.0	76.2	.888	.92	80.0	82.4	SW	½ to 3	0.04				
1 a. m.	.568	.676	78.6	77.0	1.6	76.6	.892	.00	79.6	82.4	WSW	0 to 1½	0.26				
2 „	.560	.643	80.0	78.0	2.0	77.2	.917	.92	80.7	82.4	SW	0.7	0.07				
3 „	.557	.663	79.2	77.2	2·0	76.4	.894	.92	80.1	82.4	„	0.6	0.02				
4 „	.555	.689	79.2	76.5	2.7	75.4	.866	.89	80.1	82.4	„	0.5					
5 „	.560	.685	80.2	77.0	3.2	75.8	.875	.87	80.4	82.4	„	0.5					
6 „	.572	.683	80.4	77.4	3.0	76.3	.889	.88	80.5	82.4	SSW	½ to 3					
7 „	.578	.708	79.6	76.7	2.9	75.6	.870	.88	79.7	82.4	„	0.7	0.07				
8 „	.586	.709	80.0	77.0	3.0	75.8	.877	.88	80.0	82.5	„	0.4					
9 „	.606	.649	84·0	78.0	6.0	78.6	.957	.84	81.8	82.5	„	0.7					
10 „	.614	.652	85.5	80.5	5.0	78.7	.962	.81	83.1	82.7	„	0.5					
11 „	.611	.651	85.7	80.5	5.2	78.7	.960	.80	83.9	82.9	„	0.8					
Noon.	.599	.639	85.7	80.5	5.2	78.7	.960	.80	84.0	83.0	SW	1.0		None.	None.	None.	None.
1 p. m.	.584	.641	84.5	79.8	4.7	78.1	.943	.82	83·8	83.0	„	0.7					
2 „	.575	.619	84.1	80.0	4.1	78.5	.956	.84	83.3	83.2	„	0.5					
3 „	.563	.636	84.9	79.5	5.4	77.6	.927	.79	83.5	83.3	„	0.6					
4 „	.542	.595	84.9	80.0	4.9	78.3	.947	.81	83.7	83.4	„	0.6					
5 „	.536	.589	84·9	80.0	4.9	78.2	.947	.81	83.7	83.5	SSW	0.5					
6 „	.543	.625	83.7	79·0	4.7	77.3	.918	.82	82.7	83.5	„	0.4					
7 „	.555	.697	82.8	77.3	5.5	75.1	.858	.79	82.1	83.4	„	0.2					
8 „	.568	.673	82.0	78.0	4.0	76.5	.895	.84	82.0	83.3	„	0.4					
9 „	.580	.676	81.2	78.0	3.2	76.8	.904	.87	81.8	83.1	„	0.4					
10 „	.577	.669	81.2	78·1	3.1	76.9	.908	.87	81.6	83.1	SW b S	0.7					
11 „	.565	.661	81.2	78.0	3.2	76.8	.904	.87	81.5	83.0	SW	1.3					
June 20th Midnight	.555	.662	80.0	77.4	2.6	76.4	.893	.89	81.4	83.0	SW	½ to 3½	0.04				
1 a. m.	.519	.629	78.8	77.0	1.8	76.3	.890	.92	80·2	82.8	„	1 to 5½	0.32				
2 „	.503	.632	77.8	76.2	1.6	75.6	.871	.93	79.1	82.6	„	1.0	0.28				
3 „	.501	.612	78.2	76.8	1.4	76·3	.889	.94	79.2	82.6	„	½ to 4	0·27				
4 „	.498	.620	78.9	76.7	2.2	75.9	.878	.91	79.8	82.6	„	1.0	0.01				
5 „	.490	.613	78.6	76.6	2.0	75.8	.877	.92	79.5	82.6	SSW	2.2	0.20				
6 „	.518	.599	78.0	77.5	0.5	77.3	.919	.98	78.3	82.5	„	½ to 4	0.81	None.	None.	None.	None.
7 „	.532	.640	78.6	77.0	1·6	76·4	.892	.93	79.0	82.5	„	0.7	0.03				
8 „	.543	.654	80.4	77.4	3.0	76.3	.889	.88	80.0	82.5	S b W	0.5					
9 „	.556	.641	81.3	78.3	3.0	77.2	.915	.88	81.0	82.6	SSW	0.6					
10 „	.558	.592	81·7	79.6	2.1	78.9	.966	.91	81.4	82.6	S b W	0.7					
11 „	.554	.610	81.4	79.0	2.4	78.1	.944	.90	81.4	82.6	SW	0.9					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
8	C	Overcast with moving *NNE*.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°5. Daily fall of rain by Osler's Gauge 1·48 in. 18th June was the 19th rainy day.
8	B	Overcast.	
8	B	"	
8	B	Overcast; rain commenced at 3h. 0m.	
5	B	scattered about moving ENE; no rain.	
6	G	scattered about moving NE; light rain from 5h. 31m. to 5h. 52m.	
7	G	Overcast; no rain.	
7	G	Overcast; mist along E hor.	
7	G	Overcast; mist along E hor.; rain commenced at 8h. 46m.	
8	C	Overcast; rain ceased at 9h. 17m., and recommenced at 9h. 22m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	B	Overcast with moving NE; rain ceased at 1h. 8m. but recommenced at 1h. 20m.	
8	B	Overcast with moving ENE; rain ceased at 2h. 22m. but recommenced at 2h. 46m.	
8	B	Overcast; passing rain now and then.	
8	B	Overcast with moving NE; rain commenced at 4h. 27m.	
8	G	Overcast; raining; strong wind from W.	
8	G	Overcast with moving NNE; raining.	
8	G	Overcast; rain ceased at 7h. 51m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain commenced at 10h. 59m.	
8	C	Overcast; rain ceased at 11h. 21m.	
		[from SW.	
8	C	Overcast with moving NNE; rain commenced at 0h. 1m.; fresh breezes of wind	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 86°5. Daily fall of rain by Osler's Gauge 0·41 in. 19th June was the 20th rainy day.
8	B	Overcast; rain ceased at 1h. 45m.	
8	B	Overcast; light rain from 2h. 40m. to 2h. 45m.	
8	B	Overcast with moving ENE.	
8	B	" " "	
8	G	Overcast; a few drops of rain fell at 5h. 34m.	
8	G	Overcast with moving NE; rain and wind from W at 6h. 11m. which lasted 6m.	
8	G	Overcast with moving NNE; no rain.	
8	G	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	Overcast; a few drops of rain fell at 12h. 40m.	
8	B	Overcast with moving NE.	
8	B	" " "	
8	B	Overcast with moving ENE.	
8	B	Overcast; a few drops of rain fell between 4h. 14m. and 4h. 18m.	
6	G	scattered about moving ENE; mist in hor.	
7	G	" " "	
7	G	Densely clouded with moving ENE.	
8	G	Overcast; a few stars dimly visible about zenith.	
5	C	scattered about moving NE.	
8	C	Overcast with moving NE; a few drops of rain fell at 10h. 00m.	
8	C	Overcast; fresh breezes of wind from SW; rain commenced from 11h. 59m.	
8	C	Overcast with moving NE; raining; fresh breezes of wind blowing from SW.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 86°5. Daily fall of rain by Osler's Gauge 2·92 in. 20th June was the 27th day on which the direction of wind was abnormal; it was the 21st rainy day.
8	B	Overcast; rain and wind as at midnight.	
8	B	Overcast; rain ceased at 2h. 49m.; gusts of wind occasionally coming from SW.	
8	B	Overcast; passing shower of rain at 3h. 15m.	
8	B	Overcast; rain from 4h. 16m. to 4h. 57m.	
8	G	Overcast; shower of rain now and then; strong wind from W.	
8	G	Overcast; rain at 6h. 18m. and at 6h. 50m. which lasted 11m. and 3m.	
8	G	Overcast; a few drops of rain fell at 7h. 00m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain commenced at 10h. 0m.	
8	C	Overcast; rain ceased at 11h. 7m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
															Readings of		
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Straws of Volta 1.	Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 20th-Noon.	29.547	28.595	82°6	79°5	3°1	78°5	0.952	0.88	81°9	82°8	SW b S	0.9					
1 p. m.	.534	.599	83.3	79.3	4.0	77.8	.935	.84	82.7	82.8	SW	½ to 2½					
2 „	.528	.611	80.0	78.0	2.0	77.2	.917	.92	81.0	82.8	W b S	½ to 3½					
3 „	.529	.650	78.4	76.6	1.8	75.9	.879	.92	79.9	82.9	„	½ to 2½	0.05				
4 „	.504	.605	78.0	77.0	1.0	76.6	.899	.96	79.3	82.6	WSW	1.2	0.41				
5 „	.497	.547	80.8	79.0	1.8	78.3	.950	.93	79.6	82.4	„	1.0	0.59				
6 „	.508	.563	80.5	78.8	1.7	78.2	.945	.93	79.6	82.4	„	½ to 2⅔		None.	None.	None.	None.
7 „	.510	.587	80.2	78.2	2.0	77.4	.923	.92	79.3	82.4	„	½ to 3	0.07				
8 „	.516	.578	80.0	78.5	1.5	77.9	.938	.94	79.3	82.3	„	½ to 2½	0.25				
9 „	.530	.577	80.5	79.0	1.5	78.4	.953	.94	79.4	82.3	„	½ to 2	0.06				
10 „	.538	.590	81.0	79.0	2.0	78.3	.948	.92	79.6	82.2	„	1.2					
11 „	.536	.588	81.0	79.0	2.0	78.3	.948	.92	79.5	82.2	SW	1.7					
June 22nd-Midnight	.508	.564	81.4	79.0	2.4	78.1	.944	.90	81.8	83.4	SW	1.0					
1 a. m.	.487	.566	80.4	78.2	2.2	77.4	.921	.91	81.4	83.2	„	1.2					
2 „	.463	.563	81.5	78.0	3.5	76.6	.900	.86	81.8	83.1	„	1.5					
3 „	.457	.546	81.3	78.2	3.1	77.0	.911	.87	81.6	83.0	„	1.2					
4 „	.461	.557	81.3	78.0	3.3	76.8	.904	.87	81.6	83.0	„	1.7					
5 „	.467	.561	81.0	78.0	3.0	76.8	.906	.88	81.1	82.9	„	1.0					
6 „	.488	.573	81.3	78.3	3.0	77.2	.915	.88	81.5	82.9	„	0.8					
7 „	.497	.566	81.8	78.8	3.0	77.7	.931	.88	81.8	83.0	„	1.5					
8 „	.508	.571	82.0	79.0	3.0	77.9	.937	.88	82.0	83.1	„	1.5					
9 „	.530	.590	82.8	79.3	3.5	78.0	.940	.86	82.2	83.1	„	1.5					
10 „	.528	.597	83.7	79.3	4.4	77.7	.931	.83	82.3	83.2	„	1.2	None.	None.	None.	None.	None.
11 „	.534	.603	83.7	79.3	4.4	77.7	.931	.83	82.6	83.2	„	1.0					
Noon.	.531	.600	83.7	79.3	4.4	77.7	.931	.83	82.9	83.3	„	1.0					
1 p. m.	.522	.577	85.1	80.0	5.1	78.2	.945	.80	83.4	83.4	SW b S	0.7					
2 „	.515	.580	86.0	80.0	6.0	77.8	.935	.77	83.9	83.5	SSW	0.8					
3 „	.509	.564	85.8	80.2	5.6	78.2	.945	.79	84.1	83.5	SW	1.0					
4 „	.502	.571	84.5	79.5	5.0	77.7	.931	.81	83.5	83.7	SW b S	1.5					
5 „	.505	.588	83.8	79.0	4.8	77.2	.917	.81	83.0	83.8	SW	1.0					
6 „	.517	.586	83.7	79.3	4.4	77.7	.931	.83	82.9	83.8	SW b S	1.0					
7 „	.527	.613	82.2	78.5	3.7	77.1	.914	.85	82.0	83.8	SW	0.5					
8 „	.532	.637	82.0	78.0	4.0	76.5	.895	.84	82.0	83.7	„	0.5					
9 „	.543	.626	81.5	78.4	3.1	77.2	.917	.87	81.9	83.5	SSW	1.0					
10 „	.551	.634	81.5	78.4	3.1	77.2	.917	.87	81.9	83.5	„	1.0					
11 „	.561	.658	81.3	78.0	3.3	76.7	.903	.87	81.8	83.4	„	1.0					
June 23rd-Midnight	.559	.656	81.3	78.0	3.3	76.7	.903	.87	81.8	83.3	SW	0.6					
1 a. m.	.535	.647	80.9	77.5	3.4	76.2	.888	.86	81.6	83.3	„	1.2					
2 „	.516	.619	80.7	77.7	3.0	76.5	.897	.88	81.4	83.3	SSW	1.0					
3 „	.506	.603	81.3	78.0	3.3	76.7	.903	.87	81.7	83.3	„	½ to 4					
4 „	.508	.594	80.3	78.0	2.3	77.1	.914	.90	81.0	83.1	„	1.2					
5 „	.513	.563	80.8	79.0	1.8	78.3	.950	.93	80.7	83.0	„	1.5	0.08				
6 „	.521	.569	81.4	79.2	2.2	78.4	.952	.91	81.0	83.0	„	1.5					
7 „	.533	.594	81.8	79.0	2.8	78.0	.939	.89	81.9	83.1	„	1.5					
8 „	.549	.610	81.8	79.0	2.8	78.0	.939	.89	82.0	83.2	SW	½ to 2					
9 „	.565	.648	80.0	78.0	2.0	77.2	.917	.92	82.0	83.2	S	0.8	0.03				
10 „	.579	.668	79.8	77.8	2.0	77.0	.911	.92	81.0	83.2	SSW	½ to 4½	0.13				
11 „	.577	.653	83.2	79.0	4.2	77.5	.924	.83	81.9	83.2	„	1.0					
Noon.	.563	.619	81.4	79.0	2.4	78.1	.944	.90	81.5	83.2	„	1.5	0.03	None.	None.	None.	None.
1 p. m.	.562	.628	83.0	79.2	3.8	77.8	.934	.85	82.2	83.3	„	1.2					
2 „	.552	.661	82.4	78.0	4.4	76.3	.891	.83	82.1	83.3	„	1.7					
3 „	.546	.619	82.9	79.0	3.9	77.6	.927	.85	82.4	83.4	„	1.0					
4 „	.542	.625	83.8	79.0	4.8	77.2	.917	.81	83.0	83.5	„	1.2					
5 „	.555	.635	83.5	79.0	4.5	77.3	.920	.82	82.9	83.6	„	1.0					
6 „	.558	.592	82.4	79.8	2.6	78.9	.966	.89	82.0	83.6	„	0.7					
7 „	.570	.633	82.0	79.0	3.0	77.9	.937	.88	81.7	83.5	„	1.0					
8 „	.596	.630	81.7	79.6	2.1	78.9	.966	.91	81.6	83.5	„	0.5					
9 „	.610	.692	81.4	78.4	3.0	77.3	.918	.88	81.4	83.4	„	0.4					
10 „	.628	.717	81.3	78.2	3.1	77.0	.911	.87	81.4	83.3	„	0.2					
11 „	.623	.717	81.0	78.0	3.0	76.8	.906	.88	81.3	83.3	„	0.7					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
8	C	Overcast; no rain.	
8	B	Overcast; rain commenced at 1h. 47m.	
8	B	Overcast with moving E; raining; fresh breezes of wind from SW.	
8	B	" " " " "	
8	B	Overcast with moving ENE; rain ceased at 4h. 1m.	
8	C	Overcast; rain from 5h. 0m. to 5h. 11m. and from 5h. 25m. to 6h. 00m.	
8	C	Overcast; light rain now and then.	
8	C	Overcast with moving ENE; rain from 7h. 12m. to 7h. 46m.	
8	C	Overcast; rain from 8h. 49m. to 8h. 56m.	
8	C	Overcast with moving ENE.	
8	C	" " "	
8	C	" " "	
8	C	Overcast with moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 86°2. The Height of Barometer at 3 A.M. was 29·457 in. lowest in the month and about 0·149 in. lower than the Normal Height for that hour. 22nd June was the 8th day on which the fall of rain was less than one cent.
8	B	Overcast with moving ENE.	
8	B	Overcast; drops of rain fell between 2h. 35m. and 2h. 44m.	
8	B	Overcast; fresh breezes of wind from SW.	
8	B	Overcast with moving NE; fresh breezes of wind from SW.	
8	G	Overcast; fresh breezes of wind from WSW.	
8	G	" " "	
8	G	Overcast.	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	Overcast; drops of rain fell from 2h. 30m. to 2h. 34m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	" "	
6	G	scattered about moving NE.	
6	G	Clouded as before; very light rain from 7h. 56m.	
8	G	Overcast with moving NNE; light rain ceased at 8h. 1m.	
7	C	Densely clouded with moving NNE.	
7	C	" " " [11h. 46m.	
5	C	and scattered about, the former moving NE; very light rain from 11h. 42m. to	
7	C	Densely clouded with moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 86°5. Daily fall of rain by Osler's Gauge 0·22 in. 23rd June was the 22nd rainy day.
7	B	" " "	
7	B	scattered throughout moving NNE.	
6	B	scattered throughout moving NE; light rain from 3h. 17m. to 3h. 26m.	
7	B	scattered about moving NE.	
6	G	scattered about moving NNE.	
6	G	Clouded as before; mist in hor.	
7	G	" " "	
8	G	Overcast with moving NNE; rain commenced at 8h. 10m.	
8	C	Overcast; rain ceased at 9h. 7m.; a passing shower of rain at 9h. 36m.	
8	C	Overcast; a few drops of rain fell between 10h. 29m. and 10h. 31m.	
8	C	Overcast; rain at 11h. 2m., 11h. 36m., and 11h. 52m., which lasted respectively 27, 3,	
8	C	Overcast; a few drops of rain at 12h. 40m. [and 12m.	
8	B	Overcast with moving NE; drops of rain fell from 1h. 18m. to 1h. 22m.	
8	B	Overcast; a few drops of rain fell at 2h. 30m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	Overcast; mist around hor.	
8	G	" " "	
6	G	scattered about moving NE.	
6	G	Clouded as before; a few drops of rain fell at 8h. 51m. and at 8h. 59m.	
6	C	scattered about moving NE.	
7	C	Densely clouded with moving NE; drops of rain fell at 10h. 1m., 10h. 3m., and	
7	C	Densely clouded; no rain. [between 10h. 6m. and 10h. 11m.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 24th-Midnight	29.605	28.701	81°2	78°0	3°2	76°8	0.904	0.87	81°3	83°3	SSW	0.9					
1 a. m.	.587	.683	81.2	78.0	3.2	76.8	.904	.87	81.4	83.3	,,	0.7					
2 ,,	.583	.697	81.0	77.5	3.5	76.1	.886	.86	81.4	83.3	,,	0.5					
3 ,,	.577	.711	81.0	77.0	4.0	75.4	.866	.84	81.4	83.3	,,	0.5					
4 ,,	.574	.708	81.0	77.0	4.0	75.4	.866	.84	81.3	83.2	,,	0.8					
5 ,,	.578	.712	81.0	77.0	4.0	75.4	.866	.84	81.0	83.2	,,	0.6					
6 ,,	.587	.709	81.4	77.4	4.0	75.9	.878	.84	81.3	83.3	,,	0.6					
7 ,,	.608	.715	82.2	78.0	4.2	76.4	.893	.83	82.0	83.4	,,	½ to 3¼					
8 ,,	.622	.762	78.0	76.0	2.0	75.2	.860	.92	79.1	83.2	,,	¼ to 2	0.82				
9 ,,	.635	.713	80.3	78.2	2.1	77.4	.922	.91	80.0	83.2	,,	0 to 1½	0.03				
10 ,,	.634	.720	82.6	78.6	4.0	77.1	.914	.84	81.5	83.2	,,	0.8					
11 ,,	.630	.682	85.2	80.1	5.1	78.3	.948	.80	82.9	83.3	,,	0.7					
Noon.	.627	.681	85.0	80.0	5.0	78.3	.946	.81	83.8	83.4	,,	0.8		None.	None.	None.	None.
1 p. m.	.619	.680	85.6	80.0	5.6	78.0	.939	.79	84.1	83.6	,,	0.5					
2 ,,	.606	.663	85.3	80.0	5.3	78.1	.943	.80	84.1	83.7	,,	0.7					
3 ,,	.586	.644	85.4	80.0	5.4	78.1	.942	.79	84.1	83.7	,,	0.7					
4 ,,	.571	.637	84.2	79.5	4.7	77.8	.934	.82	83.7	83.6	,,	0.5					
5 ,,	.573	.653	83.5	79.0	4.5	77.3	.920	.82	83.0	83.6	,,	0.4					
6 ,,	.579	.659	83.5	79.0	4.5	77.3	.920	.82	83.0	83.6	,,	0.4	0.04				
7 ,,	.594	.666	82.8	79.0	3.8	77.6	.928	.85	82.9	83.6	SW b S	0.3					
8 ,,	.612	.682	81.7	78.7	3.0	77.7	.930	.88	82.0	83.5	,,	0.4					
9 ,,	.634	.690	81.4	79.0	2.4	78.1	.944	.90	82.0	83.5	SW	0.3					
10 ,,	.640	.696	81.4	79.0	2.4	78.1	.944	.90	81.9	83.4	,,	0.3					
11 ,,	.634	.707	81.4	78.6	2.8	77.6	.927	.89	81.8	83.4	,,	0.3					
June 25th-Midnight	.617	.692	81.2	78.5	2.7	77.5	.925	.89	81.8	83.4	SSW	0.3					
1 a. m.	.591	.714	81.1	77.8	3.3	76.5	.897	.87	81.8	83.4	,,	0.7					
2 ,,	.585	.720	81.1	77.0	4.1	75.4	.865	.84	81.6	83.4	,,	1.0					
3 ,,	.574	.657	81.5	78.4	3.1	77.2	.917	.87	81.8	83.4	,,	1·0					
4 ,,	.576	.670	81.0	78.0	3.0	76.8	.906	.88	81.5	83.4	SW	0.7					
5 ,,	.578	.695	80.9	77.4	3.5	76.0	.883	.86	81.5	83.4	,,	1.0					
6 ,,	.594	.727	80.9	77.0	3.9	75.5	.867	.84	81.4	83.3	,,	1.0					
7 ,,	.605	.706	81.6	78.0	3.6	76.6	.899	.86	81.7	83.3	,,	1·5					
8 ,,	.620	.717	83.2	78.5	4.7	76.7	.903	.82	82.3	83.3	,,	1.5					
9 ,,	.625	.716	83.8	78.8	5.0	76.9	.909	.81	83.0	83.4	,,	1.0					
10 ,,	.625	.716	83.8	78.8	5.0	76.9	.909	.81	83.0	83.4	SSW	0.5					
11 ,,	.629	.673	85.7	80.4	5.3	78.5	.956	.80	83.8	83.5	,,	0.5					
Noon.	.611	.688	85.6	79.6	6.0	77.4	.923	.77	84.2	83.5	SW	1.5		None.	None.	None.	None.
1 p. m.	.585	.666	83.6	79.0	4.6	77.3	.919	.82	83.4	83.5	,,	1.5	0.03				
2 ,,	.577	.677	85.4	79.0	6.4	76.6	.900	.76	84.0	83.6	,,	1.7					
3 ,,	.565	.656	86.5	79.5	7.0	76.9	.909	.74	84.4	83.8	,,	1.5					
4 ,,	.554	.619	86.0	80.0	6.0	77.8	.935	.77	84.0	84.0	,,	½ to 2					
5 ,,	.554	.635	84.4	79.2	5.2	77.3	.919	.80	84.0	84.0	,,	1.0					
6 ,,	.555	.650	83.0	78.5	4.5	76.8	.905	.82	83.5	84.1	,,	1.2					
7 ,,	.557	.623	82.3	79.0	3.3	77.8	.934	.87	82.9	83.9	,,	¼ to 2					
8 ,,	.570	.675	82.0	78.0	4.0	76.5	.895	.84	82.7	83.8	,,	1.2					
9 ,,	.580	.689	82.4	78.0	4.4	76.3	.891	.83	82.5	83.7	,,	1.7					
10 ,,	.594	.699	82.0	78.0	4.0	76.5	.895	.84	82.0	83.6	,,	1.7					
11 ,,	.586	.670	81.6	78.4	3.2	77.2	.916	.87	82.0	83.6	,,	½ to 2¾					
June 26th-Midnight	.570	.642	79.0	78.0	1.0	77.6	.928	.96	80.9	83.5	SW	½ to 2½	0.39				
1 a. m.	.557	.684	80.4	77.0	3.4	75.7	.873	.86	81.3	83.5	WSW	¼ to 1⅔	0.03				
2 ,,	.545	.651	80.3	77.5	2.8	76.4	.894	.88	81.3	83.4	SW b W	¼ to 1¾	0·05				
3 ,,	.537	.660	80.0	77.0	3.0	75.8	.877	.88	81.0	83.3	WSW	0 to 1¼	0.05				
4 ,,	.537	.648	80.4	77.4	3.0	76.3	.889	.88	81.1	83.3	,,	0 to 1½		None.	None.	None.	None.
5 ,,	.543	.651	80.5	77.5	3.0	76.4	.892	.88	81.0	83·2	,,	0.7					
6 ,,	.558	.652	81.0	78.0	3.0	76.8	.906	.88	81.3	83.2	,,	1·2					
7 ,,	.571	.661	81.4	78.2	3.2	77.0	.910	.87	81.4	83.2	,,	1.0					
8 ,,	.584	.702	83.2	78.0	5.2	76.0	.882	.80	82.0	83.3	,,	1.2					
9 ,,	.603	.719	83.0	78.0	5.0	76.1	.884	.80	82.6	83.4	SW	0.4					
10 ,,	.607	.695	85.4	79.3	6.1	77.0	.912	.77	83.7	83.5	,,	0.4					
11 ,,	.611	.688	86.3	79.8	6.5	77.4	.923	.76	84.3	83.5	,,	0.3					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
6	G	≀≀ scattered about moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 86°5. Daily fall of rain by Osler's Gauge 0·82 in. 24th June was the 23rd rainy day.
7	B	≀≀ scattered about moving NNE.	
6	B	" " "	
6	B	≀≀ scattered about moving ENE.	
6	B	" " "	
6	G	" " "	
6	G	Clouded as before; mist around hor.	
8	G	Overcast; light rain with strong wind at 7h. 10m.	
8	G	Overcast; rain ceased at 8h. 10m., but recommenced at 8h. 31m., which lasted 20m.	
8	C	Overcast; no rain.	
7	C	Densely clouded with ≀≀ and ∩, the former moving NE.	
8	C	" " " "	
8	C	Overcast with ≀≀ moving NE.	
8	B	" " "	
8	B	Overcast; drops of rain fell from 2h. 31m. to 2h. 36m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	Overcast; light rain from 5h. 14m. to 5h. 18m.	
8	G	Overcast; drops of rain fell between 6h. 2m. and 6h. 7m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀ moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°3. Daily fall of rain by Osler's Gauge 0·01 in. 25th June was the 24th rainy day.
7	B	≀≀ scattered throughout moving NE.	
8	B	Overcast; a few stars dimly visible.	
8	G	" " "	
5	G	≀≀ scattered about moving NE.	
7	C	" " "	
8	C	Overcast.	
8	B	"	
8	B	"	
8	G	Overcast; a few slight drops of rain at 9h. 44m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	Overcast; drizzling rain from 12h. 45m. to 12h. 51m.	
8	B	Overcast; no rain.	
8	B	Overcast; drops of rain from 2h. 12m. to 2h. 16m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	Overcast with ≀≀ and ∩, the former moving NE.	
8	C	" " " "	
8	B	" " " "	
6	B	≀≀ and ∩ scattered about, the former moving NE.	
6	G	Clouded as before; a few drops of rain fell at 9h. 33m.	
6	G	≀≀ and ∩ scattered about, the former moving NE.	
7	C	Clouded as before; rain accompanied with strong wind from SW commenced at 11h. 29m.	
8	C	Overcast with ≀≀ moving NE; light rain ceased at 0h. 10m. but recommenced at 0h. 58m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°2. Daily fall of rain by Osler's Gauge 0·55 in. 26th June was the 25th rainy day.
8	B	Overcast with ≀≀ moving E; rain ceased at 1h. 4m.; a passing shower of rain at 1h. 45m.	
8	B	Overcast; light rain at 2h. 10m. and 2h. 30m. which lasted 3 and 4m. respectively.	
7	B	≀≀ scattered throughout moving E.	
8	B	Overcast with ≀≀ moving E.	
7	G	≀≀ scattered about moving E.	
7	G	Clouded as before; a few drops of rain at 6h. 39m.	
7	G	Clouded as before; no rain.	
8	G	Overcast with ≀≀ moving ENE.	
8	C	Overcast; rain between 9h. 2m. to 9h. 6m.	
6	C	≀≀ scattered about moving NE.	
8	C	Overcast; light rain now and then.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in the recovering line after the cessation of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 26th-Noon.	29.595	28.649	85°0	80°0	5°0	78°2	0.946	0.81	84°3	83°6	SW	1.7					
1 p. m.	.573	.610	85.4	80.5	4.9	78.8	.963	.83	84.5	83.7	„	1.2	0.01				
2 „	.565	.604	86.6	80.5	6.1	78.7	.961	.77	85.0	83.9	SSW	1.2					
3 „	.544	.629	84.0	79.0	5.0	77.1	.915	.81	84.0	84.0	SW	1.0					
4 „	.532	.583	84.7	80.0	4.7	78.3	.949	.82	84.5	84.0	„	0.7					
5 „	.524	.591	84.3	79.5	4.8	77.8	.933	.81	84.1	84.0	„	0.8					
6 „	.535	.569	82.4	79.8	2.6	78.9	.966	.89	83.2	83.9	„	0.7					
7 „	.547	.610	82.0	79.0	3.0	77.9	.937	.88	83.0	83.9	„	1.5		None.	None.	None.	None.
8 „	.568	.602	81.7	79.6	2.1	78.9	.966	.91	82.2	83.8	SSW	0.7					
9 „	.592	.665	81.8	78.7	3.1	77.6	.927	.87	82.0	83.8	„	1.5					
10 „	.594	.682	81.2	78.2	3.0	77.0	.912	.88	81.9	83.7	SW	0.3					
11 „	.593	.672	81.6	78.5	3.1	77.4	.921	.87	81.9	83.7	SSW	0.2					
June 27th-Midnight	.580	.659	81.6	78.5	3.1	77.4	.921	.87	81.9	83.6	SSW	0.2					
1 a. m.	.552	.652	81.5	78.0	3.5	76.6	.900	.86	81.8	83.6	„	1.0					
2 „	.531	.608	80.9	78.1	2.8	77.4	.923	.88	81.8	83.6	„	0.5					
3 „	.531	.625	81.0	78.0	3.0	76.8	.906	.88	81.9	83.5	„	0.6					
4 „	.527	.621	81.0	78.0	3.0	76.8	.906	.88	81.9	83.5	„	0.5					
5 „	.529	.623	81.0	78.0	3.0	76.8	.906	.88	81.8	83.4	SW b S	1.0					
6 „	.544	.616	81.4	78.4	3.0	77.6	.928	.88	82.0	83.4	SW	1.0					
7 „	.571	.634	82.0	79.0	3.0	77.9	.937	.88	82.3	83.5	„	1.0					
8 „	.592	.626	82.4	79.8	2.6	78.9	.966	.89	82.5	83.5	„	0.3					
9 „	.613	.702	84.4	79.0	5.4	77.0	.911	.79	83.0	83.6	„	0.3					
10 „	.611	.701	85.2	79.2	6.0	77.0	.910	.77	83.7	83.6	„	0.4					
11 „	.621	.708	86.9	79.7	7.2	77.1	.913	.74	83.9	83.7	„	0.3					
Noon.	.618	.700	88.3	80.2	8.1	77.3	.918	.71	84.1	84.0	„	0.3	None.	None.	None.	None.	None.
1 p. m.	.601	.674	88.7	80.5	8.2	77.6	.927	.71	86.0	84.2	„	0.5					
2 „	.572	.643	88.5	80.5	8.0	77.6	.829	.71	86.0	84.3	„	0.6					
3 „	.563	.634	88.5	80.5	8.0	77.6	.929	.71	86.0	84.4	„	0.5					
4 „	.561	.632	87.3	79.0	8.3	75.9	.879	.70	85.9	84.5	„	0.6					
5 „	.563	.661	86.3	79.3	7.0	76.7	.902	.74	85.5	84.6	„	0.3					
6 „	.568	.653	84.0	79.0	5.0	77.2	.915	.81	85.0	84.6	„	0.2					
7 „	.588	.683	83.0	78.5	4.5	76.8	.905	.82	84.0	84.7	„	0.3					
8 „	.601	.694	82.4	78.4	4.0	76.9	.907	.84	83.6	84.6	„	0.2					
9 „	.607	.712	82.0	78.0	4.0	76.5	.895	.84	83.1	84.5	„	0.2					
10 „	.614	.719	82.0	78.0	4.0	76.5	.895	.84	82.7	84.3	„	0.1					
11 „	.604	.709	82.0	78.0	4.0	76.5	.895	.84	82.4	84.2	SW b S	0.1					
June 29th-Midnight	.608	.713	82.0	78.0	4.0	76.5	.895	.84	82.1	84.0	SW	0.3					
1 a. m	.592	.693	81.6	78.0	3.6	76.6	.899	.86	82.3	83.8	„	0.6					
2 „	.583	.684	81.6	78.0	3.6	76.6	.899	.86	82.3	83.8	„	0.5					
3 „	.583	.700	81.3	77.5	3.8	76.0	.883	.85	82.2	83.8	„	0.4					
4 „	.592	.726	81.0	77.0	4.0	75.4	.866	.84	81.9	83.7	„	0.4					
5 „	.600	.736	81.2	77.0	4.2	75.4	.864	.83	81.7	83.6	„	0.4					
6 „	.620	.735	81.4	77.6	3.8	76.1	.885	.85	81.7	83.6	„	0.3					
7 „	.636	.720	81.6	78.4	3.2	77.2	.916	.87	82.0	83.6	„	0.2					
8 „	.656	.736	82.8	78.8	4.0	77.3	.920	.84	83.0	83.7	„	0.3					
9 „	.665	.755	83.0	78.6	4.4	77.0	.910	.83	83.0	83.8	SSW	0.4					
10 „	.665	.757	84.6	79.0	5.6	76.9	.908	.79	83.5	83.9	„	0.4					
11 „	.670	.755	85.5	79.4	6.1	77.2	.915	.77	84.0	84.0	SW b S	0.4					
Noon.	.661	.730	86.4	80.0	6.4	77.7	.931	.76	84.8	84.1	„	0.3		None.	None.	None.	None.
1 p. m.	.647	.719	86.6	80.0	6.6	77.6	.928	.76	85.0	84.2	SW	0.4					
2 „	.639	.699	85.9	80.1	5.8	78.0	.940	.78	84.9	84.3	„	0.3					
3 „	.628	.714	84.1	79.0	5.1	77.1	.914	.80	84.0	84.3	„	0.3					
4 „	.619	.705	84.0	79.0	5.0	77.2	.915	.81	84.0	84.2	SW b W	0.3					
5 „	.621	.701	82.5	79.0	3.5	77.3	.920	.86	83.9	84.3	SW	0.2					
6 „	.629	.727	82.4	78.5	3.9	76.7	.902	.85	83.0	84.3	„	0.1					
7 „	.634	.703	81.8	78.8	3.0	77.7	.931	.88	82.2	84.2	„	0.1	0.01				
8 „	.640	.719	81.6	78.5	3.1	77.4	.921	.87	82.0	84.1	„	0.2					
9 „	.650	.748	81.4	78.0	3.4	76.7	.902	.86	81.9	84.0	„	0.3					
10 „	.665	.761	81.2	78.0	3.2	76.8	.904	.87	81.8	83.9	„	0.2					
11 „	.667	.763	81.2	78.0	3.2	76.8	.904	.87	81.8	83.9	SW b S	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
8	C	Overcast; light rain from 12h. 25m. to 12h. 30m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 2h. 15m. to 2h. 18m.	
8	B	Overcast; no rain.	
8	B	Overcast; with ∿ moving ENE.	
8	G	" " "	
8	G	Overcast; a few drops of rain at 6h. 39m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ∿ moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°2. 27th June was the 26th rainy day.
8	B	" " "	
7	B	∿ scattered throughout moving NE.	
8	B	Overcast with ∿ moving NE.	
8	B	" " "	
8	G	Overcast with ∿ moving NNE; drizzling rain from 5h. 6m. to 5h. 8m.	
8	G	Overcast; a few drops of rain at 6h. 0m.	
8	G	Overcast with ∿ moving NE.	
8	G	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	" " "	
7	B	∿ scattered about moving NE.	
7	B	" " "	
7	B	∿ scattered about moving ENE.	
7	B	" " "	
7	C	" " "	
7	C	" " "	
7	C	" " "	
8	C	Overcast; a few drops of rain fell between 8h. 54m. and 8h. 57m.	
8	C	Overcast; a few drops of rain fell between 9h. 4m. and 9h. 7m.	
6	C	∿ scattered about moving ENE.	
8	C	Overcast with ∿ moving ENE.	
8	C	Overcast with ∿ moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 86°2. Daily fall of rain by Osler's Gauge 0·01 in. 29th June was the 27th rainy day.
8	B	Overcast with ∿ moving ENE.	
8	B	Overcast.	
8	B	"	
8	B	"	
7	G	∿ scattered about moving ENE.	
7	G	Clouded as before; mist in hor.	
7	G	" " "	
8	G	Overcast with ∿ moving E; mist in hor.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	B	Overcast with ∿ moving ENE; a few drops of rain fell between 1h. 0m. and 1h. 3m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	Overcast; drops of rain fell between 6h. 38m. and 6h. 49m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	" "	
8	C	" "	
8	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
June 30th-Midnight	29.652	28.748	81°2	78°0	3°2	76°3	0.904	0.87	81°8	83°3	SSW	0.2					
1 a. m.	.634	.749	81.1	77.5	3.6	76.1	.885	.85	82.0	83.7	„	0.3					
2 „	.625	.740	81.1	77.5	3.6	76.1	.885	.85	82.0	83.6	SW	0.4					
3 „	.617	.728	80.8	77.5	3.3	76.3	.889	.87	81.9	83.6	„	0.4					
4 „	.617	.747	80.6	77.0	3.6	75.6	.870	.85	81.5	83.5	WSW	0.5					
5 „	.630	.741	80.8	77.5	3.3	76.3	.889	.85	81.3	83.4	SW b W	0.3					
6 „	.638	.753	81.1	77.5	3.6	76.1	.885	.85	81.5	83.4	SW	0.2					
7 „	.660	.765	82.0	78.0	4.0	76.5	.895	.84	82.0	83.5	„	0.1					
8 „	.681	.756	82.8	79.0	3.8	77.5	.925	.85	82.7	83.6	„	0.2					
9 „	.686	.777	86.5	79.5	7.0	76.9	.909	.74	83.8	83.8	„	0.2	None.	None.	None.	None.	None.
10 „	.686	.769	87.6	80.0	7.6	77.2	.917	.72	84.7	83.9	„	0.2					
11 „	.689	.761	88.6	80.5	8.1	77.6	.928	.71	85.8	84.1	SSW	0.2					
Noon.	.675	.734	89.0	80.9	8.1	78.0	.941	.71	86.4	84.3	SW	0.3					
1 p. m.	.667	.729	89.6	81.0	8.6	77.9	.938	.70	86.9	84.4	SSW	0.4					
2 „	.661	.723	89.6	81.0	8.6	77.9	.938	.70	86.9	84.6	SW	0.4					
3 „	.651	.728	89.0	80.5	8.5	77.4	.923	.70	86.5	84.8	SSW	0.3					
4 „	.650	.747	87.0	79.5	7.5	76.7	.903	.72	86.0	84.8	„	0.2					
5 „	.651	.744	85.8	79.3	6.5	76.8	.907	.76	85.2	84.9	SW b S	0.1					
6 „	.651	.733	84.1	79.1	5.0	77.3	.918	.81	84.0	84.8	„	0.2					
7 „	.671	.745	83.0	79.0	4.0	77.5	.926	.84	83.8	84.7	SW	0.1					
8 „	.680	.755	82.8	79.0	3.8	77.5	.925	.85	83.0	84.6	„	0.1					
9 „	.700	.807	82.2	78.0	4.2	76.4	.893	.83	82.8	84.5	„	0.2					
10 „	.713	.818	82.0	78.0	4.0	76.5	.895	.84	82.6	84.5	„	0.3					
11 „	.711	.816	82.0	78.0	4.0	76.5	.895	.84	82.4	84.4	„	0.3					
July 1st-Midnight	.701	.819	81.7	77.6	4.1	76.0	.882	.84	82.2	84.4	SW b W	0.3					
1 a. m.	.679	.797	81.4	77.5	3.9	76.0	.882	.84	82.1	84.3	„	0.3					
2 „	.665	.781	81.2	77.5	3.7	76.1	.884	.85	82.0	84.2	WSW	0.3					
3 „	.649	.789	80.8	76.8	4.0	75.2	.860	.84	81.8	84.1	„	0.2					
4 „	.649	.782	80.9	77.0	3.9	75.5	.867	.84	81.8	84.0	SW	0.2					
5 „	.656	.771	81.1	77.5	3.6	76.1	.885	.85	81.5	84.0	SW b W	0.1					
6 „	.674	.792	81.4	77.5	3.9	76.0	.882	.84	82.0	83.9	WSW	0.2					
7 „	.693	.798	82.0	78.0	4.0	76.5	.875	.84	82.5	83.8	SW b W	0.1					
8 „	.711	.793	83.7	79.0	4.7	77.3	.918	.82	83.0	83.8	SW	0.1					
9 „	.712	.801	84.4	79.0	5.4	77.0	.911	.79	83.5	83.9	SW b S	0.4					
10 „	.711	.802	86.5	79.5	7.0	76.9	.909	.74	85.0	84.0	„	0.3					
11 „	.709	.807	87.1	79.5	7.6	76.7	.902	.72	85.4	84.2	SW	0.4	None.	None.	None.	None.	None.
Noon.	.697	.752	89.0	81.0	8.0	78.2	.945	.71	86.5	84.5	„	0.3					
1 p. m.	.682	.733	88.6	81.0	7.6	78.3	.949	.73	86.5	84.6	„	0.3					
2 „	.667	.742	88.9	80.5	8.4	77.5	.925	.70	86.6	84.8	„	0.3					
3 „	.647	.724	88.3	80.3	8.0	77.4	.923	.71	85.4	84.9	„	0.3					
4 „	.644	.731	88.0	80.0	8.0	77.1	.913	.71	86.1	84.9	SW b W	0.3					
5 „	.645	.758	86.5	79.0	7.5	76.2	.887	.72	85.4	84.9	SW	0.3					
6 „	.654	.781	84.0	78.0	6.0	75.7	.873	.77	84.0	84.9	„	0.2					
7 „	.659	.795	83.0	77.5	5.5	75.4	.864	.79	83.7	84.8	SW b S	1.0					
8 „	.664	.796	80.8	77.0	3.8	75.5	.868	.85	82.3	84.6	„	0.4					
9 „	.677	.795	81.7	77.6	4.1	76.0	.882	.84	82.2	84.6	SW	0.3					
10 „	.685	.803	81.7	77.6	4.1	76.0	.882	.84	82.0	84.5	„	0.2					
11 „	.683	.801	81.4	77.5	3.9	76.0	.882	.84	82.0	84.4	„	0.3					
July 2nd-Midnight	.659	.777	81.4	77.5	3.9	76.0	.882	.84	82.0	84.2	SW	0.3					
1 a. m.	.642	.767	81.3	77.3	4.0	75.8	.875	.84	82.0	84.2	„	0.3					
2 „	.630	.765	81.1	77.0	4.1	75.4	.865	.84	82.0	84.1	„	0.3					
3 „	.628	.768	80.8	76.8	4.0	75.2	.860	.84	81.8	84.1	„	0.3					
4 „	.629	.758	80.5	77.0	3.5	75.6	.871	.86	81.6	84.0	„	0.1	0.01				
5 „	.624	.814	79.7	75.2	4.5	73.3	.810	.82	81.5	84.0	SW b S	0.2		None.	None.	None.	None.
6 „	.638	.768	80.6	77.0	3.6	75.6	.870	.85	81.5	83.8	„	0.3					
7 „	.656	.761	82.0	78.0	4.0	76.5	.895	.84	82.0	83.6	SW	0.2					
8 „	.666	.784	83.2	78.0	5.2	76.0	.882	.80	82.6	83.7	„	0.3					
9 „	.668	.741	84.9	79.5	5.4	77.6	.927	.79	83.9	83.9	SW b S	0.2					
10 „	.666	.726	85.9	80.1	5.8	78.0	.940	.78	84.3	84.0	„	0.3					
11 „	.661	.720	87.4	80.5	6.9	78.0	.941	.75	85.7	84.2	SSW	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	C	Overcast with ⌒i moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 86°2.
8	B	Overcast; a few drops of rain fell between 1h. 32m. and 1h. 37m.	
8	B	Overcast no rain.	
8	B	" "	30th June was the 9th day on which the fall of rain was less than one cent.
8	B	" "	
8	G	⌒i and ⌒i scattered about, the former moving ENE; mist in hor.	
7	G	Clouded as before.	
7	G	" "	
7	G	⌒i, ⌒i and ⌒i scattered about, the former moving ENE; mist in hor.	
7	C	Clouded as before.	
8	C	Overcast with ⌒i and ⌒i, the former moving NE.	
8	C	" " "	
8	C	" " "	
7	B	⌒i and ⌒i scattered about, the former moving ENE.	
7	B	Clouded as before.	
8	B	Overcast with ⌒i and ⌒i, the former moving ENE.	
8	B	Overcast as before.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	" "	
6	C	⌒i and ⌒i scattered about, the former moving ENE.	
8	C	Overcast with ⌒i and ⌒i, the former moving ENE.	
7	C	Densely clouded with ⌒i moving ENE.	
8	C	Overcast with ⌒i and ⌒i, the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°1. Temperature of external air at noon was 89°0 greatest in the month and about 1·7 greater than the Normal Mean; at noon and 1 P.M. the temperature of Evaporation was also greatest during the month.
7	B	⌒i and ⌒i scattered about, the former moving ENE.	
8	B	Overcast with ⌒i and ⌒i, the former moving ENE.	
8	B	Overcast with ⌒i and ⌒i as before.	
7	B	⌒i and ⌒i scattered about, the former moving ENE.	
8	G	Overcast with ⌒i moving ENE.	
8	G	" " "	
8	G	" " "	
8	G	Overcast.	
8	B	"	
8	B	"	1st July was the 10th day on which the fall of rain was less than 0·01 inch.
8	B	"	
8	B	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	Overcast; a few drops of rain fell between 5h. 18m. and 5h. 21m.	
7	B	Densely clouded with ⌒i moving ENE.	
8	B	Overcast; a few drops of rain fell between 7h. 7m. and 7h. 14m.	
8	B	Overcast; no rain.	
6	G	⌒i scattered about moving ENE.	
6	G	" " "	
7	G	" " "	
8	G	Overcast with ⌒i and ⌒i, the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°0. Daily fall of rain by Osler's Gauge 0·01 in.
7	C	⌒i and ⌒i scattered about, the former moving ENE.	
7	C	" " " "	
7	C	Densely clouded; light rain commenced at 3h. 55m.	
7	C	Densely clouded; rain ceased at 4h. 3m.	2nd July was the 28th rainy day.
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 7h. 57m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	" "	
7	G	Nearly overcast; drops of rain fell between 11h. 53m. and 11h. 55m.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 2nd-Noon.	29.640	28.713	87°0	80°0	7°0	77°6	0.927	0.74	85°1	84°4	SW b S	0.3					
1 p. m.	.636	.710	87.6	80.2	7.4	77.5	.926	.73	85.4	84.5	„	0.3					
2 „	.618	.703	87.8	80.0	7.8	77.2	.915	.72	85.8	84.7	SW	0.3					
3 „	.604	.658	85.0	80.0	5.0	78·2	.946	.81	84.9	84.8	SW b W	0.3					
4 „	.591	.740	86.0	78.0	8.0	74·9	.854	.70	84.9	84.8	„	0·3					
5 „	.598	.709	84.5	78.5	6.0	76.3	.889	.77	84.4	84.7	„	0.2	None.	None.	None.	None.	None.
6 „	.603	.735	82.7	77.5	5.2	75.5	.868	.80	83.2	84.6	WSW	0.3					
7 „	.615	.761	82.1	77.0	5.1	75.0	·854	.80	82.6	84.4	„	0.5					
8 „	.628	.773	82.0	77.0	5.0	75.0	.855	.80	82.5	84.3	SW	0.2					
9 „	.635	.780	82.0	77.0	5.0	75.0	.855	.80	82.4	84.2	SW b W	0.1					
10 „	.640	.796	81.6	76.6	5.0	74.6	.844	.80	82.2	84·1	SW	0.2					
11 „	.634	.759	81.3	77.3	4.0	75.8	.875	.84	82.0	84.1	„	0.1					
July 3rd-Midnight	.626	.788	80.0	76.0	4.0	74.4	.838	.84	81.5	84.0	SW b W	0.2	0.04				
1 a. m.	.608	.739	79.7	76.7	3.0	75.5	.869	.88	81.1	84.0	SW	0.2					
2 „	.596	.719	80.0	77·0	3.0	75.8	.877	.88	81.0	83.9	„	0.1					
3 „	.582	.722	79.8	76.5	3.3	75·2	.860	.86	80.8	83.8	„	0.1					
4 „	.584	·707	80.0	77.0	3.0	75.8	.877	.88	80.8	83·7	SW b W	0.1					
5 „	.591	.720	79.8	76.8	3.0	75.6	·871	.88	80.8	83.5	SW	0.2					
6 „	.615	.739	80.1	77.0	3.1	75.8	·876	.87	80.8	83.4	„	0.2					
7 „	.626	.747	81·7	77.5	4.2	75.9	.879	.83	81.8	83.4	„	0.3					
8 „	.636	·710	83.0	79.0	4·0	77.5	.926	.84	82.4	83.5	SW b W	0.3					
9 „	.638	.735	83.2	78.5	4.7	76.7	.903	.82	83.0	83.7	SW b S	0.2					
10 „	.644	.834	83.6	76.3	7.3	73.3	.810	.72	83.0	83.8	„	0.1					
11 „	.639	.790	85.4	77.8	7.6	74.8	.849	.72	84.3	83.9	SW b W	0.1					
Noon.	.627	.784	85.6	78.6	7.0	74.6	.843	.74	84.4	83.9	W b S	0.2	0.03	None.	None.	None.	None.
1 p. m.	.625	.708	87.6	80.0	7.6	77.2	·917	.72	85.1	84.0	WSW	0.4					
2 „	.615	.651	85.3	80.5	4.8	78.8	.964	.81	64.6	84.1	„	0.3	0.06				
3 „	.603	.656	86.5	80.4	6.1	78.2	.947	.77	85.0	84.2	SW b W	0.3	0.01				
4 „	.599	·674	84.6	79.4	5.2	77.5	.925	.80	84.5	84.3	WSW	0.3					
5 „	.597	.708	84.5	78.5	6.0	76.3	.889	.77	84.1	84.3	SW	0.2					
6 „	.598	.717	83.3	78.0	5.3	76.0	·881	.79	83.6	84.3	„	0.2					
7 „	.605	.732	82.2	77.5	4.7	75.7	·873	.81	83.0	84.3	SW b W	0.2					
8 „	.621	.764	81.8	77.0	4.8	75.1	·857	.81	82.5	84.2	WSW	0.2					
9 „	.628	.763	81.1	77.0	4.1	75.4	.865	.84	82.1	84.1	„	0.1					
10 „	.633	.767	81.0	77.0	4.0	75.4	·866	.84	82.0	84.0	„	0.2					
11 „	.633	.767	81.0	77.0	4.0	75.4	·866	.84	82.0	84.0	SW b W	0.2					
July 4th-Midnight	.628	.762	81.0	77.0	4.0	75.4	.866	.84	82.0	84.0	SW b W	0.3					
1 a. m.	.620	.754	81.0	77.0	4.0	75.4	.866	.84	81.9	84.0	„	0.3					
2 „	.612	.744	81.2	77.1	4.1	75.5	.868	.84	81.7	83.9	SW	0.2					
3 „	.600	.731	80·7	77.0	3.7	75.5	.869	.85	81.5	83.8	SW b W	0.2					
4 „	.600	.723	80.0	77.0	3.0	75.8	.877	·88	81·2	83.8	„	0.1	0.02				
5 „	.605	.778	79.2	75.5	3.7	74.0	.827	.85	80.9	83.6	„	0.2					
6 „	.628	.783	78.6	75.5	3.1	74.9	·845	.91	80·2	83.4	WNW	0.3	0.15				
7 „	.638	.767	80.5	77.0	3.5	75.2	·871	.86	81·1	83.4	SW	0.2					
8 „	.655	.736	83.6	79.0	4.6	77.3	.919	.82	82.5	83.5	SW b S	0.2					
9 „	.664	.799	84.7	78.0	6.7	75.4	.865	.75	83.0	83.6	„	0.2					
10 „	.673	.728	85.8	80.2	5.6	78.2	.945	.79	84.2	83.8	„	0.1					
11 „	.674	.739	86.0	80.0	6.0	77.8	.935	.77	84.5	83.9	„	0.2					
Noon.	.667	·764	87·0	79.5	7.5	76.7	.903	.72	85.0	84.1	„	0.2					
1 p. m.	.664	.708	88.0	81.0	7.0	78.5	.956	.74	85.3	84.2	„	0.3	None.	None.	None.	None.	None.
2 „	.656	.738	88.3	80.2	8.1	77.3	.918	.71	85.5	84.3	„	0.3					
3 „	.646	.724	87.2	80.0	7.2	77.4	.922	.74	85.6	84.4	„	0.4					
4 „	.638	.754	85·7	78.7	7.0	76.1	.884	.74	85.2	84.5	„	0.3					
5 „	.632	.735	82.6	78.2	4.4	76.5	.897	.83	85.0	84.6	SW	0.2					
6 „	.643	.748	82.0	78.0	4.0	76.5	.895	.84	82.2	84.5	„	0.2					
7 „	.657	.772	81.6	77.6	4.0	76.1	.885	.84	82·0	84.3	„	0.1					
8 „	.664	.796	81.2	77·1	4.1	75.5	.868	.84	81.6	84.1	SW b S	0.2					
9 „	.671	.803	81·2	77.1	4.1	75.5	.868	.84	81.5	84.0	SSW	0.1					
10 „	.687	.810	80.0	77.0	3.0	75.8	·877	.88	81.3	84.0	S b W	0.4	0.03				
11 „	.676	.807	79.7	76.7	3.0	75·5	.869	.88	81.0	83.9	SSW	1.2	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒⌒i cirro-cumuli; ⌒i cumuli; ⌒⌒i cirro-strati; ⌒⌒i cumulo-strati; and ⌒⌒i nimbi.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	Overcast; a few drops of rain fell between 2h. 39m. and 2h. 48m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	Overcast with ⌒⌒i moving E; drops of rain fell at 5h. 14m., at 5h. 18m., and at 5h. 45m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	" "	
7	G	⌒⌒i scattered about moving ENE; drops of rain fell between 11h. 50m. and 11h. 58m.	
8	G	Overcast with ⌒⌒i moving ENE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 86°4 and 86°2. Daily fall of rain by Osler's Gauge 0·13 in. 3rd July was the 29th rainy day.
8	C	Clouded as before.	
8	C	" "	
8	C	" "	
8	C	Overcast; a few drops of rain fell at 4h. 20m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 7h. 16m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	G	Overcast; drops of rain fell at 11h. 24m.	
8	G	Overcast; no rain.	
8	C	Overcast; light rain from 1h. 33m. to 1h. 42m.	
8	C	Overcast; light rain from 2h. 2m. to 2h. 11m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
5	B	⌒⌒i scattered about moving E.	
6	G	⌒⌒i scattered about moving E; a few drops of rain at 9h. 0m.	
6	G	⌒⌒i scattered about; a few drops of rain fell at 10h. 38m.	
6	G	Clouded as before; no rain.	
8	G	Overcast with ⌒⌒i moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°4 and 86°1. Daily fall of rain by Osler's Gauge 0·20 in. 4th July was the 30th rainy day.
8	C	" "	
8	C	Overcast; drops of rain fell between 2h. 2m. and 2h. 5m.	
8	C	Overcast; light rain fell from 3h. 26m. to 3h. 37m.	
8	C	Overcast; a few drops of rain fell at 4h. 20m. and 4h. 54m.	
8	B	Overcast; light rain from 5h. 30m. to 5h. 38m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; light rain at 11h. 57m. which lasted 5m.	
8	G	Overcast; light rain at 12h. 24m. which lasted 5m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	G	Overcast with ⌒⌒i moving ENE.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; rain fell at 9h. 19m. and 9h. 44m. which lasted respectively 7 and 6m.	
8	G	Overcast; rain fell at 10h. 26m. which lasted 4m.	
8	G	Overcast; a few stars dimly visible about zenith.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	4 Ground Thermometers. Thermometer 1 inch in the Ground.	4 Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 6th-Midnight	29.635	28.751	83°0	78°0	5°0	76°1	0·384	0·80	82°0	83°3	S W b S	0.2					
1 a. m.	.635	·762	80·4	77.0	3.4	75.7	·873	.86	81.2	83.2	„	0.3					
2 „	.630	.794	78.0	75.4	2.6	74.3	·836	.89	80.1	83.1	WSW	0.4	0.05				
3 „	.618	.730	79.0	77.0	2.0	76.2	·888	.92	80.1	83.1	SW	0.2					
4 „	.608	·725	80.2	77.2	3.0	76.0	·883	.88	80.4	83.1	„	0.3					
5 „	.610	·736	80.3	77.0	3.3	75.7	·874	.86	80.8	83.0	„	0·5					
6 „	.624	·777	79.2	76·0	3.2	74.7	·847	.87	80.3	82.9	„	1.2					
7 „	.628	.739	80.8	77.5	3.3	76.3	·889	.87	81.0	82.8	S W b S	0.2					
8 „	.637	.724	82.3	78.5	3.8	77.1	·913	.84	82.0	82.9	S W b W	0.2					
9 „	.640	·742	85.5	79.0	6.5	76.6	·898	.76	83.0	83.0	S W b S	0.2					
10 „	.633	.719	86.0	79.5	6.5	77.1	·914	.76	84·0	83.2	SW	0.3					
11 „	.624	.775	86.2	78.0	8.2	74.8	·849	.70	84.2	83.4	„	0.2					
Noon.	.617	.735	87.0	79.0	8.0	76·0	·882	.71	84.8	83.6	S W b S	0.3		None.	None.	None.	None.
1 p. m.	.609	·691	87.5	80.0	7.5	77.3	·918	.73	85.2	83.8	SSW	0.3					
2 „	.596	·678	87.5	80.0	7.5	77.3	·918	.73	85.3	83.9	S W b S	0.3					
3 „	·584	·662	87.2	80.0	7.2	77.4	·922	.74	85.3	84.0	SSW	0.3					
4 „	·574	·681	86.0	79.0	7.0	76.4	·893	.74	84.7	84.1	S W b S	0.3					
5 „	.565	.685	84.5	78.3	6.2	75.9	·880	.76	84.2	84.1	SW	0.3					
6 „	.571	.690	83.3	78.0	5.3	76.0	·881	.79	83.3	84.1	S W b S	0.2					
7 „	.583	.711	82·3	77.5	4.8	75.6	·872	.81	82.8	84.0	SSW	0.5					
8 „	.589	.709	81.6	77.5	4.1	75.9	·880	.84	82.3	84.0	„	0.7					
9 „	·586	·718	81.2	77.1	4.1	75.5	·868	.84	82.1	84.0	„	0.6					
10 „	·596	.748	80.5	76.4	4.1	74.8	·848	.84	82.0	83.9	S	0.4					
11 „	.591	·717	80.3	77.0	3.3	75.7	·874	.86	81.9	83.8	S b E	0.2					
July 7th-Midnight	.572	.695	80.0	77.0	3.0	75.8	·877	.88	81.6	83.7	SSW	0.2	0.01				
1 a. m.	.554	.677	80.7	77.2	3.5	75·8	·877	.86	81.5	83.6	S W b S	0.3					
2 „	.538	.661	80.7	77.2	3.5	75.8	·877	.86	81.4	83.6	„	0.4					
3 „	.522	.665	80.0	76·5	3.5	75.1	·857	.86	80·9	83.5	„	0.4					
4 „	.517	.654	79.5	76·5	3.0	75.3	·863	.88	80.7	83.5	„	0.2	0·02				
5 „	.520	.669	78.8	76.0	2.8	74.9	·851	.88	80.2	83.4	S W b W	0.8	0.06				
6 „	.530	.644	79.2	77.0	2.2	76.1	·886	.91	80.3	83.2	WSW	1.3	0.10				
7 „	.544	.681	79.5	76.5	3.0	75.3	·863	.88	80.4	83.1	„	0.5	0.03				
8 „	.559	.694	79.3	76.5	2.8	75.4	·865	.88	80.3	83·0	„	1.6	0.09				
9 „	.562	.713	79.0	76.0	3.0	74.8	·849	.88	80.0	82.9	„	1.2					
10 „	.560	.658	80.0	77.7	2.3	76.7	·902	.90	80.2	82.9	„	0.2	0.04				
11 „	.560	.628	81.0	78.6	2.4	77.7	·932	.90	80.5	83.0	SW	0.2					
Noon.	.560	.672	79.0	77.0	2.0	76.2	·888	.92	80.0	82.9	„	0.3	0.03	None.	None.	None.	None.
1 p. m.	.538	.710	78.4	75.3	3.1	74.0	·828	.87	79.5	83.0	WSW	1.2	0.05				
2 „	.526	.596	82.6	79.0	3.6	77.7	·930	.86	81.8	83.0	„	0.3					
3 „	.515	.631	83.0	78.0	5.0	76.1	·884	.80	82.0	83.1	S W b W	0.2					
4 „	.504	.619	82.2	77.8	4.4	76.1	·885	.83	82.0	83.2	„	0.2					
5 „	.494	.575	81.8	78 5	3.3	77.3	·919	.87	81.7	83.2	SW	0.4					
6 „	.500	.621	81.3	77.4	3.9	75.9	·879	.84	81.6	83.1	„	0.3					
7 „	.509	.623	81.0	77.5	3.5	76.1	·886	.86	81.5	83.1	„	0.2					
8 „	.525	·639	81.0	77.5	3.5	76.1	·886	.86	81.5	83.0	„	1·2					
9 „	.530	.599	80.7	78.5	2.2	77.7	·931	·91	81.3	82.9	S W b W	0.2					
10 „	.534	.621	80.4	78.0	2.4	77.1	·913	.90	81.3	82.9	W b S	0.3					
11 „	.529	.610	79.8	78.0	1.8	77.3	·919	.92	81.0	82.9	„	0.2					
July 8th-Midnight	.518	.655	79.5	76.5	3.0	75.3	·863	.88	80.7	82.9	W b S	0.3	0.01				
1 a. m.	.496	.653	79.5	76.5	3.0	75.3	·863	·88	80·6	82.8	W	0.2	0.02				
2 „	.472	.621	79.2	76.1	3.1	74.9	·851	.87	80.5	82.7	„	1.2					
3 „	.466	.598	79.4	76.6	2.8	75.5	·868	.88	80.3	82·7	„	0.8					
4 „	.466	.582	79.4	77.0	2.4	76.1	·884	.90	80.1	82.6	W b N	1·0	0.01				
5 „	.476	.627	79.0	76.0	3.0	74.8	·849	.88	80.0	82.6	„	1.0					
6 „	.489	.629	78.0	76.0	2.0	75.2	·860	.92	79.2	82.4	WNW	1.0	0.04	None.	None.	None.	None.
7 „	.510	.629	79.6	77.0	2.6	76·0	·881	.89	80·0	82.4	W b N	0.2	0·01				
8 „	.526	.620	79.2	77.5	1.7	76.8	·906	.94	79.8	82.5	W	0.2	0.08				
9 „	.530	.660	80.6	77.0	3.6	75.6	.870	.85	80.3	82.6	W b S	0.2					
10 „	.535	.617	81.4	78.4	3.0	77.3	·918	·88	80.9	82.6	W	0.1					
11 „	.511	.592	79.8	78.0	1.8	77.3	·919	.92	80.0	82.6	„	0.2	0.10				

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
8	G	Overcast with moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°4 and 86°1. Daily fall of rain by Osler's Gauge 0·05 in. 6th July was the 31st rainy day.
8	C	Overcast; rain fell from 1h. 36m. to 1h. 52m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	Overcast; a few drops of rain fell at 5h. 20m.	
8	B	Overcast; no rain.	
8	B	Overcast.	
8	B	"	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	Overcast; a few drops of rain fell at 4h. 3m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few drops of rain fell at 6h. 25m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; slight rain at 11h. 39m. and at 11h. 48m. which lasted 2m.	
8	G	Overcast with moving ENE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 86°0. Daily fall of rain by Osler's Gauge 0·35 in. 7th July was the 32nd rainy day.
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; light rain from 3h. 15m. to 3h. 29m.	
8	C	Overcast; rain from 4h. 14m. to 4h. 22m.	
8	B	Overcast; rain commenced at 5h. 44m.	
8	B	Overcast; rain ceased at 6h. 10m.	
8	B	Overcast; rain between 7h. 35m. and 7h. 42m.	
8	B	Overcast; rain commenced at 8h. 58m.	
8	G	Overcast; rain ceased at 9h. 52m.	
8	G	Overcast; no rain. [at 11h. 49m.	
8	G	Overcast; drizzling rain at 11h. 11m. which ceased at 11h. 38m. but it recommenced	
8	G	Overcast; rain ceased at 0h. 48m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	Overcast; drops of rain at 5h. 46m.	
8	B	Overcast with moving E.	
8	B	" "	
8	B	Overcast; a few drops of rain at full hour.	
8	G	Overcast; a few drops of rain at 9h. 0m.	
8	G	Overcast; a few drops of rain at 10h. 7m.	
8	G	Overcast; a few drops of rain between 11h. 22m. and 11h. 32m.	
8	G	Overcast with moving ENE; rain from 0h. 33m. to 0h. 43m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 85°9. Daily fall of rain by Osler's Gauge 0·97 in. Height of Barometer at 3 and 4 A. M. was 29·466 in. lowest during the month and about 0·137 in. lower than the Normal Mean. 8th July was the 33rd rainy day.
8	C	Overcast; no rain.	
8	C	Overcast; rain from 2h. 43m. to 2h. 49m.	
8	C	Overcast; light rain from 3h. 21m. to 3h. 54m.	
8	C	Overcast; fresh breezes of wind from W.	
8	B	Overcast; rain commenced at 5h. 45m.; fresh breezes of wind from WNW.	
8	B	Overcast; rain ceased at 6h. 6m.	
8	B	Overcast with moving ESE; rain commenced at 7h. 44m.	
8	B	Overcast; rain ceased at 8h. 2m.	
8	G	Overcast with moving E.	
8	G	Overcast; rain from 10h. 13m. to 10h. 23m.; heavy rain from 10h. 52m.	
8	G	Overcast; raining.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 8th-Noon.	29.512	28.595	80°0	78°0	2°0	77°2	0.917	0.92	80°0	82°6	WSW	0.1	0.11	+	4		0.40
1 p. m.	.508	.581	79.8	78.2	1.6	77.6	.927	.93	80.1	82.6	SW b W	0.2	0.28	+	1		0.59
2 „	.499	.605	79.2	77.2	2.0	76.4	.894	.92	80.0	82.6	WSW	0.2	0.07				
3 „	.477	.575	79.6	77.5	2.1	76.7	.902	.91	80.0	82.6	„	0.2	0.03				
4 „	.474	.563	80.5	78.0	2.5	77.0	.911	.90	80.2	82.6	SW	0.2					
5 „	.467	.581	79.2	77.0	2.2	76.1	.886	.91	80.0	82.6	„	0.2	0.04				
6 „	.478	.619	78.1	76.0	2.1	75.2	.859	.91	79.5	82.6	SW b W	0.1	0·06			None.	
7 „	.490	.650	78.0	75.5	2.5	74.5	.840	.90	79.3	82.5	W	0.4	0.05				
8 „	.508	.645	78.5	76.2	2.3	75.3	.863	.90	79.5	82.4	W b S	0.0					
9 „	.520	.669	79.2	76.1	3.1	74.9	.851	.87	80.0	82.4	SWbS	0·1	0 02				
10 „	.531	.680	79.2	76.1	3.1	74.9	.851	.87	80·0	82.3	„	0.1	0.01	+	2		Above 10m.
11 „	.529	.641	79.0	77.0	2·0	76·2	.888	.92	79.8	82.3	WSW	0.2	0.02	+	1		Above 10m.
July 9th-Midnight	.504	.612	77.9	76.8	1.1	76.4	.892	.95	79.5	82.3	WSW	0.1	0·09				
1 a. m.	.485	.594	78.7	77.0	1.7	76.3	.891	.93	79.5	82.3	S W	0.1					
2 „	.473	.588	78.5	76.8	1.7	76.1	.885	.93	79.4	82.3	WSW	0.1					
3 „	.468	.644	76.7	74.7	2.0	73.9	.824	.91	79.8	82.2	NW b W	0.1	0·13				
4 „	.469	.632	76.5	75.0	1·5	74.4	.837	.94	78.6	82.2	WNW	0.1	0.10				
5 „	.468	.632	76.6	75.0	1.6	74.3	.836	.93	78.0	82.0	NNW	0.1	0.15				
6 „	.489	.640	76.2	75.2	1·0	74.8	.849	.96	77.6	82.0	NE b N	0.2	0.14				
7 „	.514	.668	76.1	75.1	1.0	74.7	.846	.96	77.4	81.8	E N E	0.2	0.32				
8 „	.534	.695	76.4	75.0	1.4	74.4	.839	.94	77.6	81.6	E b N	0.6	0.34				
9 „	.536	.685	77.2	75.7	1.5	74.9	.851	.94	77.9	81.4	E	1.3	0.08				
10 „	.544	.659	78.5	76.8	1·7	76.1	.885	.93	78.0	81.4	ESE	0.4	0.10				
11 „	.532	.644	79.0	77.0	2.0	76.2	.888	.92	79.1	81.5	S b E	0.2	0.05	None.	None.	None.	None.
Noon.	.518	.606	81.2	78.2	3.0	77.0	.912	.88	79.5	81.6	S b W	0.1					
1 p. m.	.500	.566	82.3	79.0	3.3	77.8	.934	.87	80.8	81.8	„	0.3					
2 „	.492	.567	81.6	78.6	3.0	77.5	.925	.88	80.5	81,9	SSW	0.2					
3 „	.477	.580	81.8	78.0	3.8	76.5	.897	.85	81.2	82.1	S b W	0.2					
4 „	.476	.579	80.7	77.7	3.0	76.5	.897	.88	81.0	82.2	SSW	0·3					
5 „	.476	.582	80.3	77.5	2.8	76.4	.894	.88	80.6	82.3	„	0.2	0.01				
6 „	.486	.622	79.4	76.5	2.9	75.4	.864	.88	80.2	82.3	SW	0.3					
7 „	.507	.633	78.5	76.5	2.0	75.7	.874	.92	79.4	82·2	S b W	0·5	0.04				
8 „	.527	.665	78.8	76.0	1.8	75.3	.862	.92	79.1	82.1	SW	0.1	0.09				
9 „	.540	.672	78.3	76.3	2.0	75.5	.868	.91	79.0	82.0	„	0.2	0·06				
10 „	.546	.695	78.8	76.0	2.8	74.9	.851	.88	79.0	82.0	SW b W	0.2					
11 „	.546	.690	78.4	76.0	2.4	75.1	.856	.90	78.8	82.0	W	0.1					
July 10th-Midnight	.531	.660	77.0	76.0	1.0	75.6	.871	.96	78.5	82.0	W	0.2	0.09				
1 a. m.	.513	.638	77.4	76.2	1.2	75.8	.875	.95	78.5	82.0	WNW	0.4	0.03				
2 „	.508	.654	76.4	75·4	1.0	75.0	.854	.96	78.1	81·9	W b N	0.4	0.39				
3 „	.503	.625	76.4	76.0	0.4	75.9	.878	.98	77.7	81·8	WNW	0.3	0.28				
4 „	.509	.655	76.4	75.4	1.0	75.0	.854	.96	77.7	81·7	W	0.5	0·06				
5 „	.524	.679	76.6	75.2	1.4	74.7	.845	.94	77.6	81.4	„	0.2	0.26				
6 „	.538	.691	76.4	75.2	1.2	74.7	.847	.95	77.6	81.4	SW b W	0.5	0.62				
7 „	.560	.706	76.4	75.4	1.0	75.0	.854	.96	77.6	81.3	W b S	0.2	0.47				
8 „	.584	.705	78.0	76.5	1.5	75.9	.879	.94	78.6	81.4	WSW	0.1	0.18				
9 „	.587	.677	77.0	77.0	0.0	77.0	.910	1.00	78.5	81.4	SW	0.2	0.15				
10 „	.595	.665	78.8	78.0	0.8	77.7	.930	0.97	79.3	81.5	„	0.1					
11 „	.588	.659	80.9	78.5	2.4	77.6	.929	.90	80.7	81.7	„	0.1	0.02				
Noon.	.581	.599	83.7	80.5	3.2	79.4	.982	.87	82.9	81.9	„	0.1		None.	None.	None.	None.
1 p. m.	.576	.651	80.8	78.4	2.4	77.5	.925	.90	82.1	82.1	S W b S	0.2	0.13				
2 „	.559	.635	81.3	78.5	2.8	77.5	.924	.89	81.6	82.1	„	0.2	0.03				
3 „	.534	.615	81.8	78.5	3.3	77.3	.919	.87	81.7	82.1	SW	0.2	0.14				
4 „	.529	.591	83.4	79.4	4.0	77.9	.938	.84	81.8	82·3	„	0.2	0.02				
5 „	.525	.597	82.8	79.0	3.8	77.6	.928	.85	82.2	82.4	SW b W	0.2					
6 „	.553	.670	81.6	77.6	4.0	76.0	.883	.84	82.0	82.4	„	0.2					
7 „	.576	.699	80.7	77.2	3.5	75.8	.877	.86	81·2	82.4	SW	0.1					
8 „	.599	.722	80.0	77.0	3.0	75·8	.877	.88	80.6	82.3	„	0·0	0.02				
9 „	.623	.707	80.1	78.0	2.1	77.2	.916	.91	80.0	82.3	SW b S	0.0					
10 „	.633	.716	80.0	78.0	2.0	77.2	.917	.92	80.0	82.3	SSW	0.2					
11 „	.619	.710	80.0	77.8	2.2	76.9	.909	.91	80.0	82.3	„	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ⌒ cumuli; ⌒ cirro-strati; ⌒ cumulo-strati; and ∿ nimbi.	
8	G	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	Overcast; rain ceased at 6h. 35m.	
8	B	Overcast; rain commenced at 7h. 45m.	
8	B	Overcast; raining lightly.	
8	G	Overcast; rain ceased at 9h. 53m.	
8	G	Overcast; drops of rain fell between 10h. 12m. and 10h. 39m.	
8	G	Overcast; light rain from 11h. 6m. to 11h. 20m	
8	G	Overcast with ∿ moving E; a few drops of rain at 0h. 0m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°1. Daily fall of rain by Osler's Gauge 1·54 in. 9th July was the 34th rainy day and the 27th day on which the wind blew abnormally.
8	C	Overcast; no rain.	
8	C	Overcast; showers of rain at 2h. 16m. and 2h. 47m. which lasted respectively 17 and 2m.; light rain commenced at 2h. 50m.	
8	C	Overcast; raining lightly.	
8	C	" "	
8	B	Overcast with ∿ moving SE; rain ceased at 5h. 56m.	
8	B	Overcast with ∿ moving SW; rain commenced at 6h. 22m.	
8	B	Overcast with ∿ moving W; raining.	
8	B	Overcast; raining.	
8	G	Overcast; rain ceased at 9h. 52m. but recommenced at 9h. 58m.	
8	G	Overcast with ∿ moving WNW; drizzling rain.	
8	G	Overcast; rain ceased at 11h. 11m.	
8	G	Overcast; no rain.	
8	C	Overcast with ∿ moving NW; rain commenced at 1h. 21m.	
8	C	Overcast with ∿ moving NNW; rain ceased at 2h. 39m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain commenced at 4h. 1m. and ceased at 4h. 18m.	
8	B	Overcast with ∿ moving NE.	
8	B	Overcast; slight rain between 6h. 20m. and 6h. 25m. and 6h. 45m. and 6h. 48m.	
8	B	Overcast with ∿ moving NNE; light rain from 7h. 42m. to 7h. 40m.	
8	B	Overcast; rain from 8h. 17m. to 8h. 32m.	
8	G	Overcast; no rain.	
8	G	Overcast; a few drops of rain at 10h. 0m.	
8	G	Overcast; light rain from 11h. 21m. to 11h. 39m.	
8	G	Overcast with ∿ moving NE; rain commenced at 0h. 34m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 85°9. Daily fall of rain by Osler's Gauge 2·80 in. Temperature of calculated dew point at noon was 79·4 greatest in the month, and about 1·7 greater than the Normal Mean. 10th July was the 35th rainy day.
8	C	Overcast; passing showers of rain.	
8	C	" "	
8	C	Overcast; raining lightly.	
8	C	Overcast; raining.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 8h. 46m.	
8	G	Overcast; no rain.	
8	G	Overcast with ∿ moving E; drops of rain fell between 10h. 16m. and 10h. 18m.	
8	G	Overcast; no rain.	
8	G	Overcast; rain commenced at 0h. 25m.	
8	C	Overcast; rain ceased at 1h. 32m. but recommenced at 1h. 43m. which lasted 9m.	
8	C	Overcast with ∿ moving NE; rain at 2h. 17m. which ceased at 2h. 47m. but recommenced at 2h. 58m.	
8	C	Overcast; rain ceased at 3h. 37m.	
8	C	Overcast; no rain.	
8	B	Overcast with ∿ moving ENE; a passing shower of rain at 5h. 24m.	
8	B	Overcast with ∿ moving ENE.	
8	B	Overcast with ∿ moving NE; rain fell from 7h. 16m. to 7h. 25m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	G	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 11th-Midnight	29.609	28.700	80°0	77°8	2°2	76°9	0.909	0.91	80°0	82°3	SSW	0.0					
1 a. m.	.589	.672	80.0	78.0	2.0	77.2	.917	.92	80.0	82.2	„	0.2					
2 „	.583	.655	80.5	78.4	2.1	77.6	.928	.91	80.7	82.2	SbW	0.1					
3 „	.577	.677	79.4	77.4	2.0	76.6	.900	.92	80.5	82.2	SSW	0.1					
4 „	.577	.683	79.2	77.2	2.0	76.4	.894	.92	80.4	82.2	SW b S	0.0	0.05				
5 „	.584	.696	79.0	77.0	2.0	76 2	.888	.92	80.3	82.1	SW	0.1					
6 „	.604	.731	78.6	76·5	2.1	75.7	.873	.91	80.0	82.1	„	0.1					
7 „	.618	·769	79.0	76.0	3.0	74.8	.849	.88	80·0	82.1	SSW	0.1					
8 „	.634	.787	79.2	76.0	3.2	74.7	.847	.87	79.8	82.0	SbW	0.1	0·09				
9 „	.636	.740	81.9	78.0	3.9	76.5	·896	.85	80·0	82.1	WSW	0.1					
10 „	.639	.727	81.2	78.2	3.0	77·0	·912	.88	80·0	82.2	S b E	0.1	0.01				
11 „	.637	.680	84.0	80.0	4.0	78.6	.957	·84	82·0	82.4	SW b W	0.1					
Noon.	.627	.690	85.8	80.0	5.8	77.9	.937	.78	83·0	82.6	„	0.1		None.	None.	None.	None.
1 p. m.	.611	.661	86.6	80.5	6.1	78.3	.950	.77	83·6	82.8	SW b S	0.2					
2 „	.604	.663	84.3	79.7	4.6	78.0	.941	.82	83.4	82.9	„	0.4					
3 „	.587	.654	86.2	80.0	6.2	77.8	.933	.77	84·0	83.1	„	0.3					
4 „	.587	.656	86.4	80.0	6.4	77.7	.931	.76	84·0	83.2	„	0.4					
5 „	.595	.693	85.2	79.0	6.2	76.7	.902	.76	83·6	83.2	„	0.2					
6 „	.609	.731	83.5	78.0	5.5	75.9	.878	.79	83·0	83.1	SW	0.2					
7 „	.625	.793	80.5	76.0	4.5	74.2	.832	.82	81·0	83.0	„	0.2	0.01				
8 „	.631	.741	80.7	77.5	3.2	76.3	.890	.87	81·1	82.9	SWbW	0.2	0·16				
9 „	.648	.801	79.2	76.0	3.2	74.7	.847	.87	80.0	82.8	„	0.0					
10 „	.658	.798	79.8	76.5	3.3	75.2	.860	.86	80·5	82.8	„	0.0					
11 „	.653	·793	78.7	76·2	2.5	75.2	.860	.90	80·0	82.6	„	0.0	0.07				
July 13th-Midnight	.677	.778	78.0	77.0	1.0	76.6	·899	.96	79.0	81.9	SSW	0.1	0.09				
1 a. m.	.664	.787	77.2	76.2	1.0	75.8	·877	.96	78.8	81.9	SW b W	0.3	0.26				
2 „	.649	.815	76.8	75.0	1.8	74.3	·834	.92	78.6	81.8	„	0.3	0·12				
3 „	.645	.802	76·0	75.0	1.0	74·6	·843	.96	78.5	81.7	WSW	0·4	0.18				
4 „	.650	.779	77.0	76.0	1.0	75.6	·871	.96	78.3	81.7	SW b W	0.2	0.03				
5 „	.655	.810	75.8	75.0	0.8	74.7	·845	.97	77.2	81.6	„	0 to 1½	0.27				
6 „	.696	.827	77.2	76·0	1.2	75.5	·869	.95	78.0	81.4	S b W	0.1	0.04				
7 „	.716	.841	77.4	76.2	1.2	75.8	·875	.95	78.1	81.2	„	0·1	0.15				
8 „	.732	.857	77.4	76.2	1.2	75.8	·875	.95	78.3	81.2	„	0.2	·0.22				
9 „	.733	.817	80.1	78.0	2.1	77.2	.916	.91	78.7	81.3	SW	0.1	0·01				
10 „	.739	.834	79.6	77.6	2.0	76.8	.905	.92	78.7	81.3	„	0.2	0.15				
11 „	.737	.831	81.0	78.0	3.0	76.8	.906	.88	80.0	81.4	WSW	0.1					
Noon.	.729	.827	81.4	78·0	3.4	76.7	.902	.86	81.0	81.5	SW	0.2		None.	None.	None.	None.
1 p. m.	.718	.781	82.0	79.0	3.0	77.0	.937	·88	81.1	81.6	WSW	0.2					
2 „	.707	.819	80.9	77.5	3.4	76.2	·888	.86	80.9	81.8	W b S	0.4	0.03				
3 „	.691	.750	81.6	79.0	2.6	78.0	.941	.89	81.2	81.9	„	0.4	0.09				
4 „	.689	.783	81.0	78.0	3.0	76.8	·906	·88	81.0	82.0	„	0.4					
5 „	.695	.818	80·8	77.2	3.6	75.8	·877	.85	80.6	82.2	„	0.3					
6 „	.699	.813	80.3	77.3	3.0	76.1	·886	.88	80.3	82.1	„	0.2					
7 „	.715	.838	80.0	77.0	3.0	75.8	.877	.88	80.0	82.0	W	0.1					
8 „	.733	.854	79.8	77.0	2.8	75.9	·879	.88	80.0	82.0	„	0.2					
9 „	.750	.871	79.8	77.0	2.8	75.9	·879	.88	80.0	82.0	„	0.2					
10 „	.758	.879	79·8	77.0	2.8	75.9	·879	.88	80.0	82.0	„	0.2					
11 „	.760	.863	79.3	77.3	2.0	76·5	·897	.92	79.5	81.9	WNW	0.2	0.13				
July 14th-Midnight	.751	.854	79.3	77.3	2.0	76.5	·897	.92	79.5	81.9	W b S	0.2					
1 a. m.	.745	.839	79.2	77.0	2·2	76·1	·886	.91	79.5	81.9	W	0·2					
2 „	.737	.875	78.8	76·3	2.5	75.3	·862	.90	79.3	81.9	W b N	0.5	0.06				
3 „	.719	.831	79.0	77.0	2.0	76.2	.888	.92	79.2	81.8	WSW	0.3	0.02				
4 „	.719	.844	78.8	76.6	2.2	75.8	.875	.91	79.2	81.8	W b S	0.4					
5 „	.714	·875	78.5	75.6	2.9	74.4	·839	.88	79.2	81·6	W	0.3	0·04	None.	None.	None.	None.
6 „	.736	.884	78.7	76.0	2.7	74.9	·852	.89	79.3	81.6	W b S	0·2					
7 „	.753	.876	80.0	77.0	3.0	75·8	·877	.88	80·0	81.6	W	0.1					
8 „	.778	.883	80.2	77.5	2.7	76.5	.895	.89	80.2	81.8	W b S	0.2	0.09				
9 „	.785	.897	80.9	77.5	3.4	76.2	·888	.86	80.5	81.9	W	0.2					
10 „	.791	.871	83.5	79.0	4.5	77.3	.920	.82	81.9	82.0	„	0.2					
11 „	.792	.859	84.3	79.5	4.8	77.3	.933	.81	82.5	82.2	W b N	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	Remarks.
8	G	Overcast with moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°0. Daily fall of rain by Osler's Gauge 0·43 in. 11th July was the 36th rainy day.
8	C	" "	
6	C	scattered about moving NE.	
6	C	Clouded as before; rain fell between 3h. 19m. and 3h. 25m.	
6	C	Clouded as before; no rain.	
8	B	Overcast; a break about zenith.	
8	B	" "	
7	B	Densely clouded with ; rain commenced at 7h. 45m.	
8	B	Overcast; rain ceased at 8h. 12m.	
8	G	Overcast; a few drops of rain between 9h. 18m. and 9h. 39m.	
7	G	scattered about moving E.	
7	G	" "	
7	G	scattered about moving ENE.	
7	C	" "	
7	C	" "	
5	C	" "	
7	C	" "	
6	B	" "	
7	B	scattered about moving E; rain fell from 6h. 45m. to 6h. 54m.	
8	B	Overcast; light rain fell from 7h. 10m. to 7h. 25m.	
6	B	scattered about moving E.	
8	B	" "	
8	B	Overcast; light rain from 10h. 15m. to 10h. 25m.	
8	B	Overcast; no rain.	
8	G	Overcast with moving E; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 85°8 and 85°3. Daily fall of rain by Osler's Gauge 1·71 in. 13th July was the 37th rainy day.
8	C	" "	
8	C	" "	
8	C	Overcast with moving ENE; raining.	
8	C	Overcast; rain ceased at 4h. 56m.	
8	B	Overcast; rain commenced at 5h. 20m.	
8	B	Overcast with moving NE; raining.	
8	B	Overcast; rain ceased at 7h. 10m. but recommenced at 7h. 35m. which lasted 15m.	
8	B	Overcast with moving ENE; a few drops of rain fell between 8h. 15m. and 8h. 21m.	
8	G	Overcast; a few drops of rain fell between 9h. 13m. and 9h. 33m.	
8	G	Overcast; a few drops of rain fell at 10h. 0m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	Overcast; light rain fell between 1h. 10m. and 1h. 18m.	
8	C	Overcast with moving NE; light rain between 2h. 9m. and 2h. 19m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	Overcast with moving ENE.	
8	B	" "	
8	B	Overcast with moving E; a few drops of rain fell between 7h. 4m. and 7h. 8m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	Overcast; light rain from 10h. 29m. to 10h. 49m.	
8	G	Overcast; no rain.	
8	G	Overcast with moving E; rain commenced at 0h. 24m.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 85°7. Daily fall of rain by Osler's Gauge 0·18 in. The Height of Barometer 10 P.M. was 29·808 in. greatest in the month and about 0·137 in. greater than the Normal Mean. 14th July was the 38th rainy day.
8	C	Overcast with moving ENE; raining lightly.	
8	C	Overcast; rain ceased at 2h. 55m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain fell from 4h. 3m. to 4h. 15m.	
8	B	Overcast with moving ENE.	
8	B	" "	
8	B	Overcast; light rain fell from 7h. 34m. to 7h. 40m.	
8	B	Overcast; no rain.	
8	G	Overcast with moving ENE.	
8	G	Overcast.	
8	G	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds the same dipped after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 14th-Noon.	29.787	28.841	85°0	80°0	5°0	78°2	0.946	0.81	83°0	82°4	WNW	0.2					
1 p. m.	.783	.843	86.3	80.2	6.1	78.0	.940	.77	84.0	82.6	W b S	0.4					
2 „	.774	.855	86.3	79.7	6.6	77.3	.919	.75	84.1	82.7	W	0.5					
3 „	.754	.847	85.8	79.3	6.5	76.9	.907	.76	83.9	82.8	W b N	0.5					
4 „	.750	.869	85.2	78.5	6.7	76.0	.881	.75	83.6	82 9	W	0.6					
5 „	.751	.880	84.2	78.0	6.2	75.6	.871	.76	83.0	83.1	„	0.3					
6 „	.759	.904	82.7	77.2	5.5	75.0	.855	.79	82.2	83.0	W b S	0.2	None.	None.	None.	None.	None.
7 „	.772	.929	81.3	76.5	4.8	74.6	.843	.81	81.4	82.9	W	0.2					
8 „	.787	.921	81.0	77.0	4.0	75.4	.866	.84	81.1	82.8	W b S	0.1					
9 „	.793	.905	80.9	77.5	3.4	76.2	.888	.86	81.0	82.8	„	0.2					
10 „	.808	.887	80.4	78.2	2.2	77.4	.921	.91	80.5	82.8	„	0.2					
11 „	.808	.891	80.0	78.0	2.0	77.2	.917	.92	80.4	82.7	WSW	0.3					
July 15th-Midnight	.790	.873	80.0	78.0	2.0	77.2	.917	.92	80.2	82.6	SW b W	0.2					
1 a. m.	.784	.867	80.0	78.0	2.0	77.2	.917	.92	80.1	82.5	WSW	0.2					
2 „	.770	.904	79 6	76.6	3.0	75.4	.866	.88	80.0	82 5	„	0.4					
3 „	.747	.897	79.3	76.1	3.2	74.8	.850	.87	80.0	82.4	„	0.6					
4 „	.747	.890	79.3	76.3	3.0	75.1	.857	.88	80.0	82.4	„	0.6					
5 „	.742	.896	79.3	76.0	3.3	74.7	.846	.86	80.0	82.3	W b S	0.6					
6 „	.751	.909	79.6	76.0	3.6	74.6	.842	.85	80.0	82.2	WSW	0.7					
7 „	.774	.921	80.6	76.5	4.1	75.0	.853	.84	80.3	82.2	W b S	0.5					
8 „	.785	.916	82.6	77.5	5.1	75.5	.869	.80	81.6	82.3	„	0.4					
9 „	.786	.898	84.6	78.5	6.1	76.2	.888	.77	82.5	82.5	WSW	0.2					
10 „	.782	.920	85.0	78.0	7.0	75.3	.862	.74	82.7	82.6	„	0.2					
11 „	.779	.826	86.3	80.5	5.8	78.4	.953	.78	84.0	82.8	„	0.1					
Noon.	.777	.886	87.3	79.3	8.0	76.3	.891	.71	85.0	83.0	W b S	0.2	None.	None.	None.	None.	None.
1 p. m.	.772	.856	87.7	80.0	7.7	77.2	.916	.72	85.2	83.1	SW	0.4					
2 „	.756	.867	86.4	79.0	7.4	76.3	.889	.73	84.8	83.2	„	0.4					
3 „	.731	.858	84.0	78.0	6.0	75.7	.873	.77	83.2	83.3	SW b W	0.6					
4 „	.718	.838	83.4	78.0	5.4	75.9	.880	.79	83.0	83.3	„	0.6					
5 „	.705	.856	82.5	77.0	5.5	74.8	.849	.79	82.2	83.3	„	0.5					
6 „	.715	.894	81.5	76.0	5.5	73.8	.821	.78	82.0	83.2	„	0.4					
7 „	.726	.880	81.4	76.6	4.8	74.7	.846	.81	81.7	83.2	„	0.3					
8 „	.738	.908	81.1	76.1	5.0	74.1	.830	.80	81.2	83.1	WSW	0.6					
9 „	.744	.855	80.4	77.4	3.0	76.3	.889	.88	81.0	83.0	SW b W	0.5	0.03				
10 „	.748	.838	80.6	78.0	2.6	77.0	.910	.89	80.2	83.0	„	0.5					
11 „	.746	.836	80.6	78.0	2.6	77.0	.910	.89	80.0	82.9	„	0.6					
July 16th-Midnight	.730	.820	80.6	78.0	2.6	77.0	.910	.89	80.0	82.8	WSW	0.4					
1 a. m	.712	.839	80.4	77.0	3 4	75.7	.873	.86	80.0	82.7	SW b W	0.9					
2 „	.698	.825	80.4	77.0	3.4	75.7	.873	.86	80.0	82.7	„	1.0					
3 „	.692	.846	80.3	76.3	4.0	74.7	.846	.84	80.0	82.6	„	1.0					
4 „	.690	.827	80.2	76.7	3.5	75.3	.863	.86	80.0	82.6	WSW	0·6					
5 „	.681	.824	80.0	76.5	3.5	75.1	.857	.86	80.0	82.6	SW b W	0.6					
6 „	.695	.838	80.0	76.5	3.5	75.1	.857	.86	80.0	82.5	SW b S	0.3					
7 „	.711	.844	80.9	77.0	3.9	75.5	.867	.84	80.9	82.5	SW	0.3					
8 „	.724	.880	83.0	77·0	6.0	74·6	.844	.77	82.0	82.6	„	0.5					
9 „	.738	.848	83.2	78.2	5.0	76.3	.890	.80	82.0	82.6	„	0.6					
10 „	.739	.893	85.0	77.6	7.4	74.7	.846	.72	82.9	82.8	SW b S	0.5					
11 „	.732	.876	83.8	77.5	6.3	75.1	.856	.76	83.1	83.0	„	0.6					
Noon.	.724	.878	85.0	77.6	7.4	74.7	.846	.72	83.6	83.0	SSW	0.5	None.	None.	None.	None.	None.
1 p. m.	.723	.817	86.8	79.5	7.3	76.8	.906	.73	84.2	83.1	„	0.6					
2 „	.706	.820	86.6	79.0	7.6	76.1	.886	.72	84.4	83.2	„	0.7					
3 „	.698	.774	87.0	80.0	7.0	77.5	.924	.74	85.0	83.3	„	0.6					
4 „	.680	.844	84.5	77.2	7.3	74.3	.836	.73	84.0	83.4	SW b S	0.9					
5 „	.685	.874	83.2	76 2	7.0	73.4	.811	.73	83.0	83.4	SSW	1.0					
6 „	.695	.832	78.5	76.2	2.3	75·3	.863	.90	80.0	83.1	„	0.4	0.08				
7 „	.700	.840	78.7	76.2	2.5	75.2	.860	.90	80.0	83.0	„	0.3					
8 „	.703	.882	78.0	75.0	3.0	73.8	.821	.87	79.0	82.7	WSW	0.5	0.49				
9 „	.710	.791	79.8	78.0	1.8	77.3	.919	.92	80.0	82.7	SSW	0.6	0.04				
10 „	.719	.791	80.5	78.4	2.1	77.6	.928	.91	80.5	82.7	„	0.5					
11 „	.719	.802	80.0	78.0	2.0	77.2	.917	.92	80.0	82.7	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌐ nimbi.	
8	G	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
6	B	Overcast with ⌐ moving E.	
4	B	⌐ and ⌐ scattered about.	
5	B	⌐ and ⌐ scattered about, the former moving E.	
5	B	⌐ and ⌐ scattered about, a few drops of rain fell at 8h. 58m.	
5	G	Overcast; no rain. [for about 10 or 15 seconds.	
5	G	Overcast; a slight shock like that of an earthquake was felt at about 10h. 40m.; it lasted	
5	G	" " "	
8	G	Overcast with ⌐ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°8 and 85°6. Daily fall of rain by Osler's Gauge 0·04 in. 15th July was the 39th rainy day.
8	C	" "	
6	C	⌐ scattered about moving E.	
5	C	Clouded as before; a few drops of rain fell at 3h. 58m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
7	G	Densely clouded with ⌐ moving E.	
7	G	" "	
6	G	⌐ and ⌐ scattered about, the former moving ENE.	
6	G	Clouded as before; a few drops of rain fell at 0h. 20m.	
8	C	Overcast with ⌐ and ⌐, the former moving ENE.	
8	C	" " "	
8	C	" " "	
8	C	" " "	
8	B	Overcast with ⌐ moving E; a few drops of rain fell at 5h. 20m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; drops of rain fell between 8h. 34m. and 8h. 49m.	
8	G	Overcast with ⌐ moving E.	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 11h. 00m.	
8	G	Overcast with ⌐ moving E; a few stars dimly visible in zenith.	Mean daily temperature of ground 20 and 60 inches below its surface 86°2 and 85°9. Daily fall of rain by Osler's Gauge 0·51 in. 16th July was the 40th rainy day.
8	C	Overcast; a few stars dimly visible in SW.	
8	C	Overcast.	
8	C	"	
8	C	"	
8	B	Overcast with ⌐ moving ENE.	
8	B	" "	
8	B	" "	
8	B	" "	
8	G	" " [29m.	
7	G	Densely clouded with ⌐ and ⌐; the former moving ENE; a few drops of rain at 10h.	
7	G	Densely clouded; no rain.	
7	G	" "	
7	C	" "	
8	C	Overcast with ⌐ and ⌐, the former moving ENE.	
8	C	Clouded as before.	
8	C	" "	
8	B	Overcast with ⌐ moving NE; rain fell from 5h. 35m. to 5h. 57m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain commenced at 7h. 10m.	
8	B	Overcast; rain ceased at 8h. 10m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
July 17th-Midnight	29.699	28.782	80°0	78°0	2°0	77°2	0.917	0.92	80°0	82°7	SW b S	0.5					
1 a. m.	.689	.812	80.0	77·0	3.0	75.8	.877	.88	80.0	82.6	,,	1.2					
2 ,,	.679	.826	79.7	76.3	3.4	75.0	.853	.86	80.0	82.6	,,	1.0					
3 ,,	.671	.818	79.7	76.3	3.4	75.0	.853	.86	80.0	82.6	SSW	1.0					
4 ,,	·671	.820	79.6	76.2	3.4	74.9	.851	.86	80.0	82.6	SW b S	0.8					
5 ,,	.678	.854	79.5	75.5	4.0	73.9	.824	.84	80.0	82.6	,,	0.5					
6 ,,	.690	.847	79.5	76.0	3.5	74.6	.843	.86	80.0	82.4	SSW	0.5					
7 ,,	.701	.836	81.0	77.0	4.0	75.4	.865	.84	80.8	82.3	,,	0.3					
8 ,,	.715	·855	78.0	76.0	2.0	75·2	.860	.92	79.0	82.1	SW b S	0.2	0.27				
9 ,,	.728	.855	80.4	77.0	3·4	75.7	·873	.86	80.5	82.2	SSW	1.3					
10 ,,	.735	.833	82.4	78.5	3.9	76.7	.902	.85	81.0	82.3	,,	0.4	0 04	None.	None.	None.	None.
11 ,,	.734	.801	84.3	79·5	4.8	77.8	.933	.81	82.3	82.5	,,	0.3					
Noon.	.725	.790	86.0	80.0	6.0	77.8	.935	.77	83.1	82.7	,,	0·3					
1 p. m.	.720	.776	86.8	80.4	6.4	78.1	.944	.76	84.0	82.9	,,	0.6					
2 ,,	.711	.793	86.4	79.7	6.7	77.3	.918	.75	84.5	83.0	SW b S	0.9					
3 ,,	.698	.820	86.2	78·7	7.5	75.9	.878	.72	84.5	83.1	,,	1.2					
4 ,,	.691	.804	84.7	78.5	6.2	76.2	.887	.76	84.0	83.2	SSW	1.2					
5 ,,	.695	.840	83.1	77.3	5.8	75.0	.855	.77	82.9	83.2	SW b S	1.0					
6 ,,	.703	.840	81.3	77.0	4.3	75 3	.863	.82	81.5	83.1	S b W	0.4	0.02				
7 ,,	.712	·842	80.6	77.0	3.6	75.6	.870	.85	81.0	83.1	SSW	0.5					
8 ,,	.726	.856	80.6	77.0	3.6	75.6	.870	.85	81.0	83.0	SW b S	1·5					
9 ,,	.738	.865	80.4	77.0	3.4	75.7	873	.86	80.5	82.9	,,	1.0					
10 ,,	.756	.883	80.4	77.0	3.4	75.7	.873	.86	80.5	82.8	SSW	0.5					
11 ,,	.749	.872	80.0	77.0	3.0	75.8	.877	.83	80.5	82.8	,,	1.2	0.04				
July 18th-Midnight	.743	.866	80.0	77.0	3.0	75.8	.877	.88	80.5	82.8	SSW	0·7					
1 a. m.	.737	.860	80.0	77.0	3.0	75.8	.877	.88	80.4	82.7	SW b S	1.2					
2 ,,	.709	.849	79.4	76.4	3.0	75.2	.860	.88	80.2	82·7	SW	0.8	0.03				
3 ,,	.697	.838	79.5	76.4	3·1	75.2	.859	.87	80.2	82.6	,,	0.7					
4 ,,	.703	.824	79.8	77.0	2.8	75.9	.879	.88	80.2	82.6	,,	0.8					
5 ,,	.699	.856	79.5	76.0	3.5	74.6	.843	.86	80.0	82.6	SW b S	0.7					
6 ,,	.717	.878	79.9	76.0	3.9	74.4	.839	.84	80.1	82.5	,,	0 8					
7 ,,	.735	.867	80.8	77.0	3.8	75.5	.868	.85	81.0	82.4	,,	0.7					
8 ,,	.749	.945	76.7	74.2	2.5	73.1	.804	.89	78.0	82.2	W	½ to 2½	0.19				
9 ,,	.759	.883	80·1	77.0	3.1	75.8	.876	.87	79.2	82.3	SW	0.7					
10 ,,	.763	.954	76.3	74.2	2.1	73.3	.809	.91	77.0	82.2	W	1.8	0.23	None.	None.	None.	None.
11 ,,	.744	.882	77.8	76.0	1.8	75.3	.862	.92	78.0	82.1	SW b S	1.2	0.45				
Noon.	.733	.895	80.0	76.0	4.0	74.4	.838	.84	80.0	82.2	SW b W	1.5	0.02				
1 p. m.	.720	.820	81.5	78.0	3.5	76.6	.900	.86	80·5	82.2	SSW	½ to 2½					
2 ,,	.705	.780	82.8	79.0	3.8	77.5	.925	.85	81.5	82.2	SW	0.2	0.01				
3 ,,	.695	.785	85.2	79.2	6.0	77.0	.910	.77	82.9	82.4	,,	0.1					
4 ,,	.677	.728	84.7	80.0	4.7	78.3	.949	.82	82.0	82.4	SW b W	1.5					
5 ,,	.680	.796	83·0	78.0	5.0	76.1	·884	.80	82.0	82.5	SW b S	0.3					
6 ,,	.695	·838	81.8	77·0	4.8	75.1	·857	.81	81.7	82.5	SW	0.4					
7 ,,	.704	.839	81.1	77.0	4.1	75.4	·865	.84	81.4	82.6	,,	0.4					
8 ,,	.708	.833	80.2	77.0	3.2	75.8	·875	.87	81.0	82.5	,,	1.5	0.02				
9 ,,	.711	.836	79.4	76.8	2.6	75.8	·875	.89	80.5	82.4	WSW	0.9	0.16				
10 ,,	.707	.830	80.0	77·0	3.0	75.8	·877	·88	80.4	82.3	SW	1.5					
11 ,,	.703	.832	79.8	76.8	3.0	75.6	·871	.88	80.2	82.3	SW b S	0.5					
July 20th-Midnight	.632	.742	79.6	77.2	2.4	76.3	.890	.90	80.0	82.4	SW	½ to 1½					
1 a. m.	.608	.726	79.5	77.0	2.5	76.0	·882	.90	80·0	82.4	SW b W	½ to 2½					
2 ,,	.596	.714	79.5	77.0	2 5	76.0	·882	·90	80.0	82.3	SW	1.8					
3 ,,	.595	.718	80.0	77.0	3.0	75·8	·877	.88	80.2	82.3	SW b W	1.5					
4 ,,	.607	.744	79.5	76.5	3.0	75.3	·863	.88	80.1	82.3	,,	1.5					
5 ,,	.612	.763	79.0	76 0	3.0	74.8	·849	.88	79.6	82.2	WSW	1.5		None.	None.	None.	None.
6 ,,	.629	.796	78.7	75.5	3.2	74.2	·833	.87	79.2	82.1	,,	1.5					
7 ,,	.647	.787	78.8	76.2	2·6	75·2	·860	.89	79.2	82.0	SW	1.5					
8 ,,	.663	.825	80.0	76.0	4.0	74.4	·838	.84	80.0	82.0	SW b W	1.5	0.06				
9 ,,	·674	.783	82.4	78.0	4.4	76.3	·891	.83	80.5	82.0	WSW	0.8	0.09				
10 ,,	.675	.709	81·7	79.6	2.1	78.9	.966	.91	80.5	82.1	W b S	1.2	0.04				
11 ,,	.675	.730	85.1	80.0	5.1	78.2	.945	.80	82.4	82.3	WSW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≋ cirro-cumuli; ⌒ cumuli; ═ cirro-strati; ⌒̲ cumulo-strati; and ≋̲ nimbi.	
8	G	Overcast with ≋ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°0. Daily fall of rain by Osler's Gauge 0·40 in. 17th July was the 41st rainy day.
8	C	Overcast; fresh breezes of wind from W.	
8	C	Overcast; no rain.	
8	C	Overcast; a few drops of rain fell at 3h. 40m.	
8	C	Overcast; fresh breezes of wind from W.	
7	B	≋ scattered about moving ENE.	
8	B	Overcast; a few drops fell at 6h. 32m.	
8	B	Overcast; light rain from 7h. 40m. to 7h. 43m.	
8	B	Overcast; no rain.	
8	G	Overcast; a few drops of rain fell between 9h. 9m. and 9h. 28m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	≋, ≋ and ≈ scattered about, the former moving ENE.	
8	C	Overcast with ≋ and ≋, the former moving ENE.	
8	C	Clouded as before.	
8	C	" "	
8	C	" "	
5	B	≋ and ≋ scattered about the sky; a shower of rain at 5h. 55m.	
7	B	≋ scattered throughout moving NE.	
7	B	" "	
6	B	" "	
6	G	" "	
7	G	Densely clouded with ≋; a few drops of rain fell between 10h. 6m. and 10h. 16m.	
7	G	" " "	
7	G	≋ scattered throughout moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°3 and 86°0. Daily fall of rain by Osler's Gauge 1·02 in. The temperature of Evaporation at 10 A.M. was 74°2 lowest during the month and about 4·9 lower than the Normal Mean. 18th July was the 42nd rainy day.
8	C	Overcast; rain with fresh breezes of wind at 1h. 27m. which lasted 9m.	
8	C	Overcast; a few stars dimly visible.	
8	C	" "	
8	C	Overcast; no rain.	
8	B	Overcast with ≋ moving ENE.	
6	B	≋ scattered about moving ENE.	
8	B	Overcast with ≋ moving NE; rain commenced at 7h. 32m. and ceased at 7h. 57m.	
8	B	Overcast with ≋ moving E; a few drops of rain fell at 8h. 7m.	
8	C	Overcast; rain commenced at 9h. 16m.	
8	C	Overcast; rain ceased at 10h. 43m.	
8	C	Overcast; rain commenced at 11h. 46m. and ceased at 11h. 51m.	
8	C	Overcast; strong breezes of wind from W.	
8	G	Overcast; slight rain between 1h. 32m. and 1h. 35m.	
7	G	Densely clouded with ≋ moving ENE.	
6	G	" "	
7	G	" "	
7	C	" "	
5	C	≋ scattered about moving ENE.	
7	C	≋ scattered throughout; light rain from 7h. 12m. to 7h. 20m.	
7	C	≋ scattered throughout moving ENE; showers of rain from 8h. 42m. to 8h. 56m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
6	G	≋ and ≈ scattered about, the former moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 85°7. Daily fall of rain by Osler's Gauge 0·25 in. 20th July was the 43rd rainy day.
8	C	Overcast with ≋ moving ENE; fresh breezes of wind from SW.	
8	C	Overcast; fresh breezes of wind from SW.	
8	C	Overcast; a few drops of rain fell between 3h. 21m. and 3h. 23m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	Overcast; rain from 7h. 4m. to 7h. 17m.	
8	B	Overcast; rain at 8h. 3m. and at 8h. 26m., which lasted 13m. and 20m.	
8	G	Overcast; a few drops of rain fell at 9h. 9m., 9h. 19m., and 9h. 27m.	
6	G	≋ scattered about; no rain.	
6	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 20th-Noon.	29.667	28.721	85°0	80°0	5°0	78°2	0.946	0.81	83°0	82°4	WSW	0.4					
1 p. m.	.647	.764	81.6	77.6	4.0	76.0	.883	.84	81.4	82.5	„	1.5	0.04				
2 „	.637	.711	83.0	79.0	4.0	77.5	.926	.84	82.2	82.5	W b S	1.2	0.02				
3 „	.626	.730	84.2	78.6	5.6	76.5	.896	.78	82.5	82.6	WSW	0.8					
4 „	.622	.718	85.0	79.0	6.0	76.8	.904	.77	83.0	82.6	„	0.7					
5 „	.626	.754	82.3	77.5	4.8	75.6	.872	.81	82.0	82.6	„	0·5					
6 „	.633	.752	81.5	77.5	4.0	76.0	.881	.84	81.5	82.6	„	0.7		None.	None.	None.	None.
7 „	.636	.770	81.0	77.0	4.0	75.4	.866	.84	81.3	82.6	„	0.4					
8 „	.652	.781	80.5	77.0	3.5	75.6	.871	.86	81.0	82.6	„	½ to 2½					
9 „	.659	.745	80·3	78.0	2.3	77.1	.914	.90	81.0	82.6	„	0.6					
10 „	.663	.749	80.3	78.0	2.3	77.1	·914	.90	81.0	82.6	SW b W	0·5					
11 „	.663	.749	80.3	78.0	2.3	77.1	.914	.90	81.0	82.6	WSW	0.3					
July 21st-Midnight	.661	.744	80·0	78.0	2.0	77.2	.917	.92	80.5	82.5	WSW	0.3					
1 a. m.	.655	.738	80.0	78.0	2.0	77.2	.917	.92	80.4	82.4	„	0.5					
2 „	.639	.735	79.7	77.6	2.1	76.8	·904	.91	80.3	82.4	„	0.7	0.05				
3 „	.639	.747	79.4	77.2	2.2	76.4	.892	.91	80.3	82.4	„	0.5					
4 „	.644	.768	79.2	76.8	2.4	75.8	·876	.90	80.1	82.3	„	0.4					
5 „	.648	.786	78·8	76.3	2.5	75.3	.862	.90	80.0	82.3	SW b W	0.5					
6 „	·678	.812	79.2	76.5	2.7	75.4	·866	.89	80.0	82.3	WSW	0.5					
7 „	.685	.800	79.3	77.0	2.3	76.1	·885	.90	80.0	82.3	„	0.4					
8 „	.699	.813	81.7	77.7	4.0	76.1	·886	.84	81.0	82.3	W b S	0.5		None.	None.	None.	None.
9 „	.712	.801	81.3	78.2	3.1	77.0	·911	.87	81.0	82.4	„	0.3					
10 „	.718	.794	83.2	79.0	4.2	77.5	.924	.83	82.0	82.4	„	0.2					
11 „	.710	.764	85.0	80·0	5.0	78.2	·946	.81	82.9	82.6	W	0.2					
Noon.	.690	.730	85.7	80.5	5.2	78·7	·960	.80	83.5	82·7	„	0.2					
1 p. m.	.679	.751	86.6	80.0	6.6	77.6	·928	·76	84.0	82.3	W b S	0.6					
2 „	.663	.775	85.0	78.6	6.4	76.2	·888	.76	83.4	82.8	„	0 5	0.03				
3 „	.655	.788	85.3	78.2	7.1	75 5	·867	·73	83.5	82.9	„	1·0					
4 „	.642	.745	82.2	78.1	4.1	76.5	·897	.84	82.7	82.9	W	0.6	0.18				
5 „	.644	.786	83.6	77.5	6.1	75.1	·858	.77	83.0	82.9	W b S	0.6					
6 „	.648	.793	82.0	77.0	5.0	75.0	·855	.80	82·0	82.8	„	0.3					
7 „	.658	.792	81.0	77.0	4.0	75 4	·866	.84	81.0	82.8	W	0 5					
8 „	.668	.794	80.3	77.0	3.3	75.7	·874	.86	81.0	82.8	WSW	0.7					
9 „	.688	.814	80.3	77.0	3.3	75·8	·874	.86	81.0	82.8	W b S	0.5					
10 „	.701	.808	80·0	77.4	2·6	76.0	·893	.89	80.5	82.7	WSW	0.4					
11 „	.691	.798	80.0	77.4	2.6	76.0	·893	.89	80.5	82.7	„	0.6					
July22nd-Midnight	.681	.804	80.0	77.0	3.0	75.8	·877	.88	80.3	82.7	W b S	0.4					
1 a. m.	.673	.809	79.8	76.6	3·2	75.4	·864	.87	80.3	82.6	„	0.6					
2 „	.655	.791	79.8	76.6	3.2	75.4	·864	.87	80.3	82.6	„	0.5					
3 „	.645	.796	79.7	76.2	3·5	74.8	·849	.86	80.2	82.5	WSW	0.5					
4 „	.647	.796	79.6	76.2	3·4	74.9	·851	.86	80.2	82.5	„	0.4					
5 „	.656	.814	79.6	76.0	3.6	74.6	·842	.85	80.2	82.5	„	0.6					
6 „	.672	.841	79.2	75.6	3·6	74.1	·831	.85	79.6	82.4	W	0.7					
7 „	.688	.870	79.7	75.5	4.2	73.6	.818	.83	79·9	82.3	WSW	1.2					
8 „	·691	.851	78.0	75.5	2.5	74 5	.840	.89	79.0	82.2	W	0.3	0.08				
9 „	.690	.782	81.2	78.1	3.1	76.9	·908	.87	80.5	82.2	W b S	0.2	0.04				
10 „	.694	.821	84.0	78.0	6.0	75.7	·873	.77	82.4	82.4	WSW	0.2					
11 „	.696	·736	85.7	80.5	5.2	78.7	.960	.80	84.2	82.6	„	0.2					
Noon.	·677	.742	86.0	80.0	6.0	77.8	·935	.77	84.5	82.8	„	0.3		None.	None.	None.	None.
1 p. m.	.667	.763	86.5	79.4	7.1	76.8	.904	.74	84.7	82.9	W b N	0.4					
2 „	.655	.766	84.5	78.5	6.0	76.3	.889	.77	83.4	83.0	„	0.4					
3 „	.637	.756	84.4	78.3	6.1	76·0	.881	.77	83.2	83.0	„	0.4					
4 „	.631	.738	86.0	79.0	7.0	76.4	.893	.74	84.0	83.1	„	0.3					
5 „	.621	.757	84.8	78.0	6.8	75.4	.864	.74	83.8	83.2	„	0.5					
6 „	.627	.772	82.0	77.0	5.0	75.0	·855	.80	82.0	83.1	„	0.5					
7 „	.633	.835	80.8	75.2	5.6	72.9	.798	.78	81.0	83.1	W	0.5					
8 „	.650	.821	80.8	76.0	4.8	74.1	.829	.81	81.0	83.0	W b S	0.4					
9 „	.650	.731	79.7	78.0	1·7	77.3	·919	.92	80.7	82.9	W b N	0.3	0.12				
10 „	.659	.789	79.6	76·7	2.9	75.6	·870	.88	80.5	82.8	W	0.4					
11 „	.647	.759	79.0	77.0	2.0	76·2	.888	.92	80.3	82.7	W b N	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ∪∪ nimbi.	
7	G	Densely clouded; light rain from 0h. 21m.	
7	C	Densely clouded; rain ceased at 1h. 7m. but recommenced at 1h. 31m. which lasted 12m.	
8	C	Overcast; rain from 2h. 6m. to 2h. 10m.	
7	C	≀≀ scattered about moving E.	
7	C	" "	
8	B	Overcast; a few drops of rain fell at 5h. 50m.	
8	B	Overcast; no rain.	
8	B	" "	
6	B	≀≀ scattered about moving E.	
6	G	" "	
6	G	" "	
8	G	Overcast with ≀≀ moving E.	
7	G	≀≀ scattered throughout moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 85°6. Daily fall of rain by Osler's Gauge 0.24 in. 21st July was the 44th rainy day.
7	C	Clouded as before; light rain between 1h. 44m. and 1h. 56m.	
8	C	Overcast with ≀≀ moving ENE.	
8	C	" "	
6	C	≀≀ scattered about moving E.	
8	B	Overcast with ≀≀ moving E.	
8	B	Overcast with ≀≀ moving ENE.	
8	B	" "	
8	B	Overcast; a few drops of rain at 8h. 27m. and 8h. 35m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain fell between 11h. 10m. and 11h. 14m.	
7	G	Densely clouded with ≀≀ moving E.	
6	C	≀≀ and ≀≀ scattered about; light rain from 1h. 22m. to 1h. 29m.	
6	C	≀≀ and ≀≀ scattered about, the former moving E.	
8	C	Overcast; rain fell between 3h. 3m. and 3h. 19m.	
8	C	Overcast; no rain.	
5	B	≀≀ scattered about moving E.	
4	B	" "	
5	B	≀≀ scattered about; a few drops of rain fell at 7h. 20m.	
7	B	Densely clouded; no rain.	
7	G	" "	
8	G	Overcast with ≀≀ moving E.	
8	G	Overcast; a few drops of rain fell at 11h. 4m.	
8	G	Overcast.	Mean daily temperature of ground 20 and 60 inches below its surface 86°0 and 85°7. Daily fall of rain by Osler's Gauge 0.22 in. Temperature of calculated Dew-point at 7 P. M. was 72°9 lowest during the month and about 4°8 lower than the Normal Mean. 22nd July was the 45th rainy day.
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	" [and 8m.	
8	B	Overcast with ≀≀ moving ESE; light rain at 7h. 20m. and 7h. 55m. which lasted 5m.	
8	B	Overcast; rain from 8h. 10m. to 8h. 24m.	
8	G	Overcast with ≀≀ moving E.	
8	G	Overcast.	
8	G	"	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	"	
8	B	"	
8	B	Overcast; rain from 8h. 27m. to 8h. 34m. and from 8h. 40m. to 8h. 43m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 23rd-Midnight	29.630	28.738	78°6	77°0	1°6	76°4	0.892	0.93	80°0	82°6	W b N	0.2					
1 a. m.	.611	.719	78.6	77.0	1.6	76.4	.892	.93	80.0	82.5	W	0.4					
2 „	.607	.747	78.0	76.0	2.0	75.2	.860	.92	79.1	82.5	„	0.5					
3 „	.597	.749	77.3	75.5	1.8	74.8	.848	.92	78.5	82.5	„	0·7	0.07				
4 „	.584	.746	77.2	75.2	2.0	74.4	.838	.91	78.2	82.4	„	0.6					
5 „	.584	.724	78.0	76.0	2.0	75.2	.860	.91	78.0	82.3	„	0.5	0.03				
6 „	.601	.712	78.2	76.8	1.4	76.3	.889	.94	78.4	82.2	„	0.2	0.03				
7 „	.611	.747	77.6	76.0	1.6	75.4	.864	.93	78.4	82.1	NW b W	0.3	0.02				
8 „	.628	.725	79.5	77.5	2.0	76.7	.903	.92	79.6	82.2	NW	0.2	0.07				
9 „	.637	.745	79.4	77.2	2.2	76.4	.892	.91	79.7	82.2	W b S	0.3		None.	None.	None.	None.
10 „	.634	.770	81.2	77.0	4.2	75.4	.864	.83	80.8	82.2	W b N	0.5					
11 „	.620	.682	80.0	78.5	1.5	77.9	.938	.94	80.8	82.2	W b S	0.2					
Noon.	.599	.693	81.0	78.0	3.0	76.8	.906	.88	81.9	82.2	WNW	0.3					
1 p. m.	.590	.687	81.3	78.0	3.3	76.7	.903	.87	81.0	82.2	„	0.3					
2 „	.576	.665	82.0	78.4	3.6	77.0	.911	.86	81.3	82.3	W b N	0.4	0.06				
3 „	.559	.677	79.5	77.0	2.5	76.0	.882	.90	79.3	82.2	WNW	2.5	0·21				
4 „	.561	.729	77.0	75.0	2.0	74.2	.832	.91	78.0	82.0	NW b W	2.7	0.36				
5 „	.571	.737	76.8	75.0	1.8	74.3	.834	.92	77.5	81.9	WNW	0.4	0.12				
6 „	.578	.735	76.0	75.0	1.0	74.6	.843	.96	77.0	81.9	„	0.6	0.16				
7 „	.596	.753	76.0	75.0	1.0	74·6	.843	.96	77.0	81.9	NW b W	0.5	0.34				
8 „	.604	.759	75.8	75.0	0.8	74.7	.845	.97	77.0	81.9	SW b W	0.3	0.45				
9 „	.608	.740	78.0	76.2	1.8	75.5	.868	.92	78.4	82.0	WSW	0.5	0.03				
10 „	.615	.757	78.2	76.0	2.2	75.1	.858	.91	78.4	82.0	„	0.6	0.06				
11 „	.604	.756	77.3	75.5	1.8	74.8	.848	.92	78.0	81.9	„	1.2	0.15				
July 24th-Midnight	.593	.750	76.0	75.0	1.0	74.6	.843	.96	77.2	81.8	WNW	½ to 2½	0.21				
1 a. m.	.578	.724	76.4	75.4	1.0	75.0	.854	.96	77.3	81.7	„	1.2	0.23				
2 „	.566	.701	76.8	75·8	1.0	75·4	.865	.96	77.5	81.6	W b N	1.5	0.04				
3 „	.555	.710	76.6	75.2	1.4	74.7	.845	.94	77.4	81.5	„	1.2	0.09				
4 „	.559	.714	76.6	75.2	1.4	74.7	.845	.94	77.4	81.5	„	0.8	0.07				
5 „	.572	.701	77.0	76.0	1.0	75.6	.871	.96	77.6	81.5	WNW	0.6	0.11				
6 „	.581	.718	77.7	76.0	1.7	75.3	.863	.93	78.1	81.3	W b S	1.0	0.01				
7 „	.591	.728	77.7	76.0	1.7	75.3	.863	.93	78.1	81.2	„	0.8					
8 „	.603	.717	79.2	77.0	2.2	76.1	.886	.91	79.2	81.3	SW b W	0.5					
9 „	.610	.721	80.4	77.4	3.0	76.3	.889	.88	80.0	81.4	W b S	0.4	0.04				
10 „	.606	.729	80.0	77.0	3.0	75.8	.877	.88	79.8	81.4	W	0.3	0.08				
11 „	.599	.696	80.5	77.8	2.7	76.7	.903	.89	80.0	81.4	„	0.6					
Noon.	.596	.695	79.7	77.5	2.2	76.7	.901	.91	79.5	81.5	WNW	0.6	0.08			None.	
1 p. m.	.587	.691	80.1	77.5	2.6	76.5	.896	.89	79.9	81.5	W	0.4					
2 „	.575	.728	79.2	76.0	3.2	74.7	.847	.87	79.0	81.6	W b N	0.6	0.04				
3 „	.562	.671	78.7	77.0	1.7	76.3	.891	.93	79.0	81.6	W	0.5	0.12				
4 „	.561	.679	77.4	76.4	1.0	76.0	.882	.96	78.0	81.5	„	0.9	1.07				
5 „	.584	.713	77.0	76.0	1.0	75.6	.871	.96	77.5	81.4	W b N	0.8	1.45				
6 „	.597	.756	76.2	75.0	1.2	74.5	.841	.95	77.0	81.3	„	0.5	1.84				
7 „	.627	.795	75.6	74.6	1.0	74.2	.832	.96	76.5	81.2	„	0.4	1.33				
8 „	.637	.810	75.8	74.5	1.3	74.0	.827	.94	76.6	81.1	WSW	0.7	0.55				
9 „	.638	.806	75.6	74.6	1.0	74.2	.832	.96	76.0	81.0	W	0.6	0.54	+	4		2.26
10 „	.649	.806	76.0	75.0	1.0	74.6	.843	.96	76.7	80.9	„	0.3	0.11	+	6		4.04
11 „	.638	.784	76.4	75.4	1.0	75.0	.854	.96	77.0	80.8	SW	0.2	0.13	+	2		Above 10m.
July 25th-Midnight	.617	.769	77.3	75.5	1.8	74.8	.848	.92	77.5	80.8	SW b W	0.3	0.06	+	1		Above 10m.
1 a. m.	.597	.726	77.0	76.0	1.0	75.6	.871	.96	77.5	80.8	WSW	0.3	0.12				
2 „	.587	.713	77.1	76.1	1.0	75.7	.874	.96	77.5	80.8	W b S	0.3					
3 „	.577	.712	76.8	75.8	1.0	75.4	.865	.96	77.4	80.8	WSW	0·4	0.06				
4 „	.579	.734	76.0	75.0	1.0	74.6	.843	.96	77.1	80.7	„	1.4	0.64				
5 „	.583	.715	77.3	76.0	1.3	75.5	.868	.94	77.6	80.7	W b N	0.6	0.36			None.	
6 „	.615	.738	77.5	76.3	1.2	75.8	.877	.95	77.9	80.8	WNW	0.8	0.18				
7 „	.625	.726	78.0	77.0	1.0	76.6	.899	.96	78.1	80.9	„	0.7	0.04				
8 „	.640	.773	77.4	76.0	1.4	75.5	.867	.94	78.0	81.0	„	0.4	0.09				
9 „	.648	.766	78.8	76.8	2.0	76.0	.882	.92	78.7	81.0	W b N	0.3	0.04				
10 „	.645	.755	78.8	77.0	1.8	76.3	.890	.92	78.9	81.0	NW b W	0.2	0.08				
11 „	.636	.736	79.8	77.5	2.3	76.6	.900	.90	79.1	81.2	W b N	0.2	0.02				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	G	Overcast with ≈ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°9 and 85°6. Daily fall of rain by Osler's Gauge 1·97 in. 23rd July was the 46th rainy day.
8	G	Overcast; rain between 1h. 36m. and 1h. 58m.	
8	C	Overcast; rain between 2h. 24m. and 2h. 58m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	Overcast; drops of rain fell between 5h. 31m. and 5h. 42m.	
8	G	Overcast; rain at 6h. 27m. which ceased 6h. 44m. but it recommenced at 6h. 57m.	
8	C	Overcast; rain ceased at 7h. 5m. but recommenced at 7h. 11m. and ceased at 7h. 41m.	
8	C	Overcast; rain between 8h. 42m. and 8h. 53m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	Overcast; drizzling rain from 11h. 39m. to 11h. 42m.	
8	G	Overcast; drizzling rain between 0h. 35m. and 0h. 47m.	
8	C	Overcast; rain from 1h. 7m. to 1h. 18m.	
8	C	Overcast; rain commenced at 2h. 47m.	
8	B	Overcast; rain ceased at 3h. 38m. but recommenced at 3h. 40m.	
8	B	Overcast with ≈ moving ESE; raining.	
8	G	Overcast; raining.	
8	G	" "	
8	C	" "	
8	C	Overcast; rain ceased at 8h. 25m.	
8	B	Overcast; a shower of rain at 9h. 12m.; light rain commenced at 9h. 45m.	
8	B	Overcast; raining.	
8	G	" "	
8	G	Overcast; raining.	Mean daily temperature of ground 20 and 60 inches below its surface 85°7 and 85°5. Daily fall of rain by Osler's Gauge 7·77 in. Temperature of External and Free Air at 7 and 9 P. M. was 75°6 lowest in the month. 24th July was the 47th rainy day.
8	C	" "	
8	C	Overcast; rain ceased at 2h. 40m. and recommenced at 2h. 48m.	
8	C	Overcast; rain ceased at 3h. 7m. but recommenced at 3h. 14m.	
8	C	Overcast; no rain.	
8	B	Overcast; a passing shower of rain at 5h. 30m.	
8	B	Overcast; drops of rain now and then.	
8	B	Overcast; no rain.	
8	B	Overcast; rain at 8h. 3m. and 8h. 30m. which lasted 4m. and 6m.	
8	G	Overcast; light rain between 9h. 19m. and 9h. 27m.	
8	G	Overcast; no rain.	
8	G	Overcast; rain between 11h. 22m. and 11h. 34m.	
8	G	Overcast; no rain.	
8	C	Overcast; rain commenced at 1h. 57m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	G	Overcast; rain ceased at 9h. 33m.	
8	G	Overcast; light rain from 10h. 17m. to 10h. 39m. and from 10h. 43m. to 10h. 52m.	
8	G	Overcast; light rain from 11h. 27m. to 11h. 32m. and from 11h. 43m. to 11h. 50m.	
8	G	Overcast with ≈ moving ENE; rain from 0h. 29m. to 0h. 58m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°4 and 84°9. Daily fall of rain by Osler's Gauge 2·45 in. 25th July was the 48th rainy day.
8	C	Overcast; no rain.	
8	C	Overcast; light rain from 2h. 13m. to 2h. 40m.	
8	C	Overcast; rain commenced at 3h. 15m.; strong wind at 3h. 15m. from W.	
8	C	Overcast; raining; strong wind from W.	
8	B	Overcast with ≈ moving E; raining.	
8	B	Overcast; rain ceased at 6h. 25m.	
8	B	Overcast; rain commenced at 7h. 40m.	
8	B	Overcast; raining lightly.	
8	G	" "	
8	G	Overcast; rain ceased at 10h. 21m.	
8	G	Overcast; no rain.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 25th—Noon.	29.631	28.731	79°8	77°5	2°3	76°6	0.900	0.90	79°0	81°3	W	0.1					
1 p. m.	.612	.730	79.5	77.0	2.5	76.0	.882	.90	79.4	81.4	W b S	0.4	0.02				
2 „	.600	.719	79.3	76.9	2.4	76.0	.881	.90	79.4	81.4	WSW	0.5	0.01				
3 „	.588	.731	78.6	76.1	2.5	75·1	.857	.90	79.0	81.4	W	0.8	0.03				
4 „	.568	.714	79.3	76.2	3.1	75·0	.854	.87	79.1	81.5	„	0·8					
5 „	.573	.687	79.2	77.0	2.2	76.1	.886	.91	79.0	81.5	„	0.5		None.	None.	None.	None.
6 „	.588	.698	78.8	77.0	1.8	76.3	.890	.92	78.4	81.5	„	0.4					
7 „	.608	.785	77.8	75.0	2.8	73.8	·823	.88	77.2	81.5	NW b W	0.6					
8 „	.627	.762	76.8	75.8	1.0	75.4	.865	.96	76.2	81.4	WNW	0.7					
9 „	.639	.794	75.8	75.0	0.8	74.7	.845	.97	75.9	81.2	„	0.7	0.04				
10 „	.639	.785	76,4	75.4	1.0	75.0	.854	.96	76.0	81·1	NW b W	0.5	0.01				
11 „	.637	.794	76.0	75.0	1.0	74.6	.843	.96	76.0	81.0	W b N	0.3	0·03				
July 27th—Midnight	.622	.738	79.4	77.0	2.4	76.1	.884	.90	79.0	81.6	W	0.3					
1 a. m.	.600	.751.	79.0	76.0	3.0	74.8	.849	.88	79.0	81.6	W b S	1.0					
2 „	.586	.709	79.0	76·7	2.3	75.8	.877	.90	78.9	81.6	WSW	0.5	0.03				
3 „	.580	.713	78.8	76.4	2.4	75.5	.867	.90	78.9	81.5	W	0.8					
4 „	·581	·714	78.8	76.4	2.4	75.5	.867	.90	78.9	81·5	„	0.9					
5 „	.582	.720	78.8	76.3	2.5	76.3	.862	.90	78.6	81.4	W b S	0.5					
6 „	.595	.708	79.1	77.0	2.1	76.2	.887	.91	79.1	81.4	„	0.7					
7 „	.613	.731	79·5	77.0	2.5	76.0	.882	.90	79.5	81.4	„	0.6	0.01				
8 „	.621	·745	80.8	77.2	3·6	75.8	.876	.85	80.4	81.4	WSW	0.4					
9 „	.630	.766	81.2	77.0	4.2	75.4	.864	.83	80.0	81.5	„	0.3					
10 „	.631	.741	83.2	78.2	5.0	76.3	.890	.80	81.5	81.6	W	0.3					
11 „	.621	.678	83.8	79.6	4.2	78.1	.943	.84	82.0	81.8	WSW	0.3					
Noon.	616	.670	85.0	80.0	5.0	78.2	.946	.81	83.0	81.9	W	0.2		None.	None.	None.	None.
1 p. m.	.604	.674	84.6	79.5	5.1	77.7	·930	.80	83.0	82.0	„	0.3					
2 „	.587	.674	84.2	79.0	5.2	77.1	.913	.80	82.9	82.0	W b N	0.7					
3 „	.572	.717	82.0	77.0	5.0	75.0	.855	.80	81.7	82.1	W	0.6					
4 „	.565	·670	82.0	78.0	4.0	76.5	.895	.84	81.6	82.1	„	0.6					
5 „	.554	.698	81.2	76.8	4.4	75.1	.856	.82	81.0	82.2	W b N	0.7					
6 „	.579	.694	80.0	77.2	2.8	76.1	·885	.88	80.0	82.1	„	0.5					
7 „	.596	.721	80.2	77.0	3.2	75.8	.875	.87	80.1	82.1	„	0.5					
8 „	.606	.760	80.0	76.2	3.8	74.7	.846	.85	80.1	82.0	W	0.7					
9 „	.612	.734	79.9	77.0	2.9	75.9	.878	.88	80.0	82.0	„	0.6					
10 „	.616	.713	79.8	77.6	2.2	76.7	.903	.91	79.9	82.0	W b S	0.6					
11 „	.620	.717	79.8	77.6	2.2	76.7	.903	.91	79.9	82.0	WSW	0.5					
July 28th—Midnight	.602	.734	79.8	76.7	3.1	75.5	.868	.87	79.8	81.9	W b S	0.7					
1 a. m.	.586	.705	79.6	77.0	2.6	76.0	.881	.89	79.8	81.8	WSW	0.3					
2 „	.572	.703	79.3	76.6	2.7	75.5	.869	.89	79.8	81.8	W	0.6					
3 „	.566	.703	79·5	76.5	3.0	75.3	.863	.88	79.6	81.8	„	1.0					
4 „	.568	.700	79.4	76.6	2.8	75.5	.868	.88	79.6	81.8	„	0.4					
5 „	.577	.716	79.7	76.5	3.2	75.2	.861	.87	79.7	81.8	„	0.8					
6 „	.589	.725	79.0	76.4	2.6	75.4	.864	.89	79.3	81.8	„	0.5					
7 „	.613	.747	79.6	76.6	3.0	75.4	.866	.88	79.6	81.8	„	0.6					
8 „	.627	.760	80.9	77.0	3.9	75.5	.867	.84	80.3	81.8	„	0.5					
9 „	.635	.721	82.2	78.5	3.7	77.1	.914	.85	81.0	81.8	„	0.4					
10 „	.639	.735	85.0	79.0	6.0	76.8	.904	.77	82.4	82.0	WSW	0.3					
11 „	.633	.733	86.1	79.2	6.9	76.6	.900	.74	83.0	82.1	„	0.4					
Noon.	.631	·692	85·6	80.0	5.6	78.0	.939	.79	83.0	82.2	„	0.4		None.	None.	None.	None.
1 p. m.	.623	.719	85.0	79.0	6.0	76.8	.904	.77	83.2	82.2	SW b W	0.6					
2 „	.614	.760	84.2	77.6	6.6	75.0	.854	.75	83.0	82.3	SW	0.7					
3 „	.597	.747	83.2	77.2	6.0	74.8	.850	.77	82.3	82.3	WSW	0.5					
4 „	.589	.723	81·0	77.0	4.0	75.4	.866	.84	81.4	82.3	SW	0.3					
5 „	.590	.730	81.5	77.0	4.5	75.2	.860	.82	81.4	82.3	SW b W	0.5					
6 „	.606	.772	80.4	76.0	4.4	74.3	.834	.82	80.5	82.3	„	0.4					
7 „	.617	.773	80·2	76.2	4.0	74.6	.844	.84	80·3	82.2	SW	0.4					
8 „	.625	.763	79.6	76·5	3.1	75.3	.862	.87	80.0	82.2	„	0.5	0.01				
9 „	.633	.775	78·2	76.0	2.2	75.1	.858	.91	79.2	82.2	SW b W	0.4	0.04				
10 „	.638	.769	79.3	76.6	2.7	75.5	.869	.89	80.0	82.1	WSW	0.3	0.01				
11 „	.636	.767	79.3	76.6	2.7	75·5	.869	.89	80.0	82.1	SW b W	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐i cirri; ∿i cirro-cumuli; ∩i cumuli; ⌣i cirro-strati; ∩⌣i cumulo-strati; and ∿⌣i nimbi.	
8	G	Overcast; rain fell between 12h. 28m. and 12h. 47m.	
8	C	Overcast; rain commenced at 1h. 49m.	
8	C	Overcast; rain ceased at 2h. 27m.	
8	C	Overcast; no rain.	
8	C	" "	
8	G	" "	
8	G	Overcast; a few drops of rain fell between 6h. 9m. and 6h. 11m.	
8	G	Overcast; no rain.	
8	G	Overcast; slight rain fell from 8h. 11m. to 8h. 28m. and from 8h. 56m. to the close of this hour.	
8	G	Overcast; rain from 9h. 0m. to 9h. 13m.	
8	G	Overcast; rain commenced at 10h. 49m.	
8	G	Overcast; raining very lightly.	
8	G	Overcast with ∿i moving E; a few drops of rain fell at the time of observation.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 84°7. Daily fall of rain by Osler's Gauge 0·04 in. 27th July was the 49th rainy day.
8	C	Overcast; light rain fell between 1h. 2m. to 1h. 7m.	
8	C	Overcast; no rain.	
8	C	Overcast; a few drops of rain fell at 3h. 16m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	Overcast; rain at 6h. 2m. which lasted 3m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 0h. 30m.	
8	C	Overcast; rain commenced at 1h. 57m.	
8	C	Overcast; rain ceased at 2h. 8m. but recommenced at 2h. 48m. which ceased at 2h. 54m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 7h. 38m.	
5	B	∿i scattered about moving E.	
6	G	" "	
6	G	" "	
6	G	" "	
8	G	Overcast with ∿i moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°6. Daily fall of rain by Osler's Gauge 0·05 in. 28th July was the 50th rainy day.
8	C	Overcast; a few drops of rain fell at 1h. 20m.; fresh breezes of wind from W.	
8	C	Overcast; fresh breezes of wind from W.	
8	C	" "	
8	G	Overcast.	
8	B	"	
8	B	"	
8	B	"	
8	B	"	
8	G	"	
8	G	"	
8	G	Overcast; a few drops of rain fell at 11h. 56m.	
8	G	Overcast; no rain.	
8	C	Overcast; a few drops of rain fell at 1h. 57m.	
8	C	Overcast with ∿i moving ENE.	
8	C	Overcast; a few drops of rain fell at 3h. 30m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	Overcast with ∿i moving E.	
8	B	Overcast; rain fell between 7h. 25m. and 7h. 27m.	
8	B	Overcast with ∿i moving ENE; rain fell from 8h. 37m. to 8h. 41m.	
8	G	Overcast; rain at 9h. 28m. and 9h. 42m. which lasted 5m.	
8	G	Overcast; no rain.	
8	G	Overcast; rain from 11h. 26m. to 11h. 36m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in reversing same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 29th-Midnight	29.630	28.758	79°0	77°0	2°0	76°2	0.888	0.92	79°8	82°1	WSW	0.6	0.03				
1 a. m.	.621	.783	78·6	75.6	3.0	74.4	.838	.88	79.6	82.1	„	1.0					
2 „	.609	.764	78.0	75.6	2.4	74.7	.845	.90	78.9	82.0	„	1.6					
3 „	.603	.741	77.8	76.0	1.8	75.3	.862	.92	78.7	82.0	W	0.9	0.03				
4 „	.607	.737	78.5	76.4	2.1	75.6	.870	.91	78.9	82.0	WSW	0.8	0.01				
5 „	.616	.782	78.6	75.5	3.1	74.3	.834	.87	78.9	82.0	„	0.7					
6 „	.638	.779	78.8	76·2	2.6	75.2	.859	.89	79.0	81.9	„	0.6					
7 „	.661	.798	79.5	76.5	3.0	75.3	.863	.88	79.6	81.8	SW b W	0.6					
8 „	.680	.810	80.6	77.0	3.6	75.6	.870	.85	80.1	81.8	„	0.4					
9 „	.689	.789	80.8	77.8	3.0	76.6	.900	.88	80.5	81.8	WSW	0.5					
10 „	.693	.814	81.7	77.5	4.2	75.9	.879	.83	80.7	81.9	„	0.6	0.02	None.	None.	None.	None.
11 „	.685	.801	83.0	78.0	5.0	76.1	.884	.80	81·9	82.0	SW b W	0.5					
Noon.	.677	.746	81.8	78.8	3.0	77.7	.931	.88	81.0	82.0	„	0.7					
1 p. m.	.670	·847	81.4	76.0	5.4	73.8	.823	.79	81.0	82.0	SW	0.7					
2 „	·659	·835	79.9	75.6	4.3	73.9	.824	.83	80.5	82.0	W b S	1.3					
3 „	·656	·809	79.2	76.0	3.2	74.7	.847	.87	80.1	81.9	SW	0.5					
4 „	.658	.820	77.2	75.2	2.0	74.4	.838	.91	79.0	81.9	WSW	0.5	0.24				
5 „	.656	.825	76.8	75.2	1.6	74.1	.831	.93	78.2	81.7	„	0.4	0·22				
6 „	.661	.806	76.7	75.5	1.2	75.0	.855	.95	78.1	81.6	W	0.7	0.10				
7 „	.668	.822	76·5	75.2	1.3	74.7	.846	.94	77.9	81.5	W b S	0.4	0.37				
8 „	·683	.819	77.6	76.0	1.6	75.4	.864	.93	78.5	81.5	WSW	0.5					
9 „	·684	·826	78.2	76.0	2.2	75.1	.858	.91	78.9	81.5	SW b W	0.4					
10 „	.697	.859	78.6	75.6	3.0	74.4	.838	.88	79.0	81.5	SW	0.4					
11 „	.689	·851	78.6	75.6	3.0	74.4	.838	.88	79.0	81.5	„	0.5					
July 30th-Midnight	.685	.847	78.6	75.6	3.0	74.4	.838	.88	79.0	81.5	SW	0.4					
1 a. m.	.677	.839	78.6	75.6	3.0	74·4	.838	.88	78.9	81.5	„	0.2					
2 „	.651	.801	78.2	75.8	2.4	74.8	·850	.90	78.9	81.5	SW b W	0.2					
3 „	.635	.772	78.5	76 2	2.3	75.3	.863	·90	78·9	81.5	„	0.3					
4 „	.633	.770	78.5	76·2	2.3	75.3	.863	.90	78.9	81.5	WSW	0.3					
5 „	.631	.763	78.3	76.3	2.0	75.5	.868	.92	78.9	81.5	„	0.3					
6 „	.653	.782	78.4	76.4	2.0	75.6	·871	.92	78.9	81.5	W b S	0.5	0.01				
7 „	.670	.793	80.0	77.0	3.0	75.8	·877	.88	79.6	81.4	WSW	0.3					
8 „	.684	.807	81.9	77.5	4.4	75.8	·877	.83	80.3	81·4	„	0.5					
9 „	.693	.840	82.8	77.3	5.5	75.1	·858	.79	80.9	81.5	„	0.4					
10 „	.698	.803	82.0	78.0	4.0	76.5	·895	.84	80.5	81.6	„	0.5					
11 „	.698	.784	82.2	78.5	3.7	77.1	·914	.85	80.7	81.7	„	0.4		None.	None.	None.	None.
Noon.	.684	.764	82.8	78.8	4.0	77.3	·920	.84	81.0	81.7	„	0.5					
1 p. m.	.675	.745	83.4	79.2	4.2	77.7	·930	.83	81.8	81.9	SW b W	0.4					
2 „	.647	.769	81.4	77.4	4.0	75.9	·878	.84	81.5	81.9	WSW	0.5	0.08				
3 „	.632	.741	82.4	78.0	4.4	76.3	·891	.83	81.7	82.0	„	0.4					
4 „	.627	.783	83.0	77.0	6.0	74.7	·844	.77	81.9	82.0	„	1.2					
5 „	.632	.769	81.3	77.0	4.3	75.3	.863	.83	81.0	82.1	„	0.6					
6 „	.637	.766	78.8	76.5	2.3	75.6	·871	.90	80.0	82.0	W b S	0.5	0,01				
7 „	.642	.771	79.1	76.6	2.5	75.6	·871	.90	80.0	82.0	SW b W	0.4					
8 „	.655	·780	79.2	76.2	3.0	75.0	·855	.88	80.0	82.0	„	0 5					
9 „	.675	.820	79.2	76.2	3.0	75.0	·855	·88	80.0	82 0	„	0.4					
10 „	.671	.816	79.2	76.2	3.0	75.0	·855	.88	80.0	82.0	„	0.3					
11 „	.669	.820	79.0	76.0	3.0	74.8	·849	.88	79.6	82.0	„	0.4					
July 31st-Midnight	.651	.802	79.0	76.0	3.0	74.8	·849	.88	79.6	82.0	SW b W	0.4					
1 a. m.	.633	.784	79.0	76.0	3.0	74.8	·849	·88	79·6	82.0	„	0.6					
2 „	.622	.770	78.0	75·8	2.2	74.9	.852	.91	79.4	81.9	SW	0.8	0.19				
3 „	.600	.733	78.4	76.3	2.1	75.5	.867	.91	79.3	81·9	„	0.8	0.04				
4 „	.603	.736	78.4	76.3	2.1	75.5	.867	.91	79.2	81.8	SW b W	0·4					
5 „	.603	.736	78.4	76.3	2.1	75.5	.867	.91	79.2	81.7	WSW	0.5		None.	None.	None.	None.
6 „	.624	.765	78.8	76.2	2.6	75.2	·859	.89	79.2	81.6	„	0.5					
7 „	.631	.771	79.2	76.6	2.6	75·2	·860	.89	79·5	81.5	„	0.5					
8 „	.647	.770	78.6	76.6	2.0	75.8	·877	.92	79.1	81.5	„	0 to 2	0.05				
9 „	.662	.788	80.3	77.0	3.3	75.7	.874	.86	79.9	81.6	„	0.4					
10 „	.668	.771	79.3	77.3	2.0	76.5	.891	·92	79.0	81.6	„	0.5	0.01				
11 „	.667	.775	78.6	77.0	1.6	76.3	·892	.93	78.8	81.6	„	1.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∪ nimbi.	
8	G	Overcast with ≀∪ moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 86°4. Daily fall of rain by Osler's Gauge 1·03 in. 29th July was the 51st rainy day.
8	C	Overcast; fresh breezes of wind from W; rain fell from 1h. 2m. to 1h. 5m.	
8	C	Overcast; fresh breezes of wind from W; rain fell from 2h. 13m. to 2h. 36m.	
8	C	Overcast; slight rain at 3h. 0m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 6h. 35m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few drops of rain fell at 8h. 29m.	
8	G	Overcast; a few drops of rain fell from 9h. 11m. to 9h. 23m	
8	G	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	C	" "	
8	C	Overcast; fresh breeze of wind from W; rain commenced at 2h. 20m.	
8	C	Overcast; raining lightly.	
8	C	Overcast; raining.	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 7h. 10m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast with ≀∪ moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 84°8. Daily fall of rain by Osler's Gauge 0·10 in. 30th July was the 52nd rainy day.
8	C	Overcast; a few drops of rain fell at 1h. 00m.	
8	C	Overcast no rain.	
8	C	" "	
8	C	" "	
8	B	Overcast with ≀∪ moving E; passing rain fell at 5h. 9m. and 5h. 16m.	
8	B	Overcast; no rain.	
8	B	" "	
6	B	≀∪, ≀≀ and ≀ scattered throughout.	
7	G	≀∪ scattered about moving E; a few drops of rain fell at 9h. 57m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; drops of rain fell between 12h. 44m. and 12h. 48m.	
8	C	Overcast; light rain fell at 1h. 29m. and 1h. 45m. which lasted 10m. and 8m. respectively.	
8	C	Overcast; light rain from 2h. 00m. to 2h. 10m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	Overcast; passing rain now and then.	
8	B	Overcast; light rain from 6h. 0m. to 6h. 16m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast with ≀∪ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 84°7. Daily fall of rain by Osler's Gauge 0·31 in. 31st July was the 53rd rainy day.
8	C	Overcast; rain commenced at 1h. 46m.	
8	C	Overcast; rain ceased at 2h. 7m.	
8	C	Overcast with ≀∪ moving ENE.	
8	C	Overcast.	
8	B	"	
8	B	"	
8	B	Overcast; rain fell between 7h. 18m. and 7h. 28m.	
8	B	Overcast; with ≀∪ moving E.	
8	G	Overcast; drops of rain fell between 9h. 43m. and 9h. 47m.	
8	G	Overcast; no rain.	
8	G	Overcast; rain fell from 11h 4m. to 11h. 7m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawsof Volta 1.	Readings of Strawsof Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
July 31st-Noon.	29.656	28.739	80°0	78°0	2.0	77°2	0.917	0.92	79°8	81°6	SW b W	0.5					
1 p. m.	.640	.744	81.2	77.8	3·4	76.5	·896	.86	80.4	81.7	,,	0.7					
2 ,,	.631	.761	80.6	77.0	3.6	75.6	.870	.85	80.7	81.7	,,	0.5					
3 ,,	.619	.739	80.8	77.3	3.5	75.9	.880	.86	80.7	81.8	,,	0.8					
4 ,,	.619	.766	78.6	76.0	2.6	75.0	.853	.89	80.0	81.8	SW	0.7	0.06				
5 ,,	.626	.752	80.3	77.0	3.3	75.7	.874	.86	80.0	81.7	SW b W	0.5		None.	None.	None.	None.
6 ,,	.636	.770	79.6	76.6	3.0	75.4	.866	.88	80.0	81.7	,,	0.3					
7 ,,	.644	.787	79.3	76.3	3.0	75.1	.857	.88	79.8	81.6	,,	0.6					
8 ,,	.660	.814	79.3	76.0	3.3	74.7	.846	.86	79.8	81.6	,,	0.5					
9 ,,	·679	.808	79.1	76.6	2.5	75·6	.871	.90	79.5	81.6	,,	0·5					
10 ,,	.681	.813	79.8	76.7	3.1	75.5	.868	.87	80·0	81.6	SW	0.4					
11 ,,	.671	.790	79.6	77.0	2.6	76·0	.881	.89	79.6	81.6	,,	0.5					
Aug. 1st-Midnight	.661	.780	79.6	77.0	2.6	76.0	.881	.89	79.5	81.6	SW	0.5					
1 a. m.	.649	.762	79.5	77.1	2.4	76.2	.887	.90	79.5	81.6	SW b S	0.5					
2 ,,	.639	.749	79.2	77.1	2.1	76.3	·890	.91	79.5	81.6	SSW	0.7					
3 ,,	.637	.747	79.2	77.1	2.1	76.3	.890	.91	79.5	81.6	SW	0.6					
4 ,,	.641	.763	79.2	76.8	2·4	75.9	.878	.90	79.5	81.6	,,	0.7					
5 ,,	.643	.797	79.3	76.0	3.3	74.7	.846	.86	79.5	81.6	,,	0.5					
6 ,,	.671	.806	79.3	76.5	2·8	75.4	.865	.88	79.5	81.6	,,	0.4					
7 ,,	.689	.807	79.5	77.0	2.5	76.0	.882	.90	79.6	81.6	,,	0.3					
8 ,,	.701	.838	79.5	76.5	3.0	75.3	.863	.88	79.7	81.5	SW b S	0.2					
9 ,,	.711	.862	79.0	76.0	3.0	74.8	.849	.88	79.0	81.5	SW b W	0.5	0.15				
10 ,,	.716	.837	81.7	77.5	4·2	75.9	.879	·83	80.8	81.6	SW	0.4		None.	None.	None.	None.
11 ,,	.720	.825	84.1	78.5	5.6	76.4	.893	.78	82.0	81.7	WSW	0.3					
Noon.	.713	.809	85.0	79.0	6.0	76.8	.904	.77	82.1	81·9	SW b W	0.5					
1 p. m.	.705	.785	85.5	79.5	6.0	77.3	.920	.77	83.0	82.0	,,	0.5					
2 ,,	.694	.785	85.3	79.2	6.1	76.9	.909	.77	83.0	82.0	,,	0.6					
3 ,,	.685	.776	85.3	79.2	6.1	76.9	.909	.77	83.1	82.1	,,	0.5					
4 ,,	.685	.792	83.3	78.3	5.0	76.4	.893	.80	82.7	82.2	,,	0·6					
5 ,,	.683	.815	81.6	77.2	4.4	75.5	.868	.83	81.6	82.2	,,	0.5					
6 ,,	.696	.841	80.6	76.6	4.0	75.0	.855	.84	81.0	82.2	WSW	0.4					
7 ,,	.723	.868	80.6	76.6	4.0	75.0	.855	.84	81.0	82·2	SW	0.4					
8 ,,	.728	.890	80.0	76.0	4.0	74.4	.838	.84	80.5	82.1	SW b W	0.5					
9 ,,	.739	.891	79.8	76.2	3.6	74.8	.848	.85	80.3	82.1	SW	0.6					
10 ,,	.747	·885	79.6	76.5	3.1	75.3	.862	.87	80.2	82.0	,,	0.5					
11 ,,	.739	.877	79.6	76.5	3.1	75.3	.862	.87	80.2	82.0	,,	0.4					
Aug. 3rd-Midnight	.736	.893	79.5	76.0	3.5	74.6	.843	.86	80.0	82.0	SSW	0.5					
1 a. m.	.707	.813	79.2	77.2	2.0	76.4	.894	·92	79.3	82.0	S W b S	0.4	0.13				
2 ,,	.696	.795	78.6	77·2	1.4	76.7	.901	.94	78.7	81·8	SW	0.6					
3 ,,	.692	.791	78.6	77.2	1.4	76.7	.901	.94	78.7	81·8	,,	0.7					
4 ,,	.691	.803	79.0	77.0	2.0	76.2	.888	.92	79.0	81·8	SW b W	0.6					
5 ,,	.695	.807	79.0	77.0	2.0	76.2	.888	.92	78.8	81.7	,,	0.5					
6 ,,	.709	.838	78.8	76.5	2.3	75.6	.871	.90	78.6	81.6	WSW	0.5					
7 ,,	.733	.865	79.0	76.5	2.5	75.5	.868	.90	79.0	81.7	,,	0.6					
8 ,,	.751	.880	79.5	76.7	2.8	75.6	.871	.88	79.6	81.7	,,	0.3					
9 ,,	.765	.891	80.3	77.0	3.3	75.7	·874	.86	79.9	81.7	W b S	0.4					
10 ,,	.765	.909	80.9	76.7	4.2	75.1	·856	.83	80.5	81.7	WSW	0.5	0.03				
11 ,,	.759	.912	82.7	77.0	5.7	74.7	.847	.78	81.0	81.7	,,	0.4		None.	None.	None.	None.
Noon.	.736	.892	83.0	77.0	6.0	74.6	.844	.77	81.5	81.8	,,	0.5					
1 p. m.	.720	.862	82.8	77.3	5.5	75.1	.858	.79	81.5	81.8	WSW	0.4					
2 ,,	.706	.848	82.8	77.3	5.5	75.1	.858	.79	81.5	81.9	SW b W	0.5					
3 ,,	.695	.862	84.0	77.0	7.0	74.2	·833	.73	82.0	82.0	SW	0.5					
4 ,,	.690	.776	82.2	78.5	3.7	77.1	·914	.85	81.8	82·1	SW b W	0.6					
5 ,,	.694	.850	80.5	76.3	4.2	74.6	·844	.83	81.0	82.1	WSW	0.3					
6 ,,	.696	.858	80.0	76.0	4.0	74.4	·838	.84	80.8	82.1	SW b W	0.3					
7 ,,	.699	.857	79.6	76.0	3.6	74.6	.842	.85	80.4	82.0	,,	0.4					
8 ,,	.707	.865	79.6	76.0	3.6	74·6	·842	.85	80.2	82.0	,,	0·4					
9 ,,	.712	.869	79.5	76.5	3.0	75.3	·863	.88	80.2	82.0	,,	0.4					
10 ,,	.712	·869	79.5	76.0	3.5	74.6	·843	.86	80.1	82.0	SW	0.4					
11 ,,	.708	.854	79·3	76.2	3.1	75.0	·854	.87	80.0	82.0	,,	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and *nimbi*.	
8	G	Overcast; no rain.	
8	C	Overcast with cirro-cumuli moving ENE.	
8	C	" "	
8	C	Overcast; rain and wind between 3h. 37m. and 3h. 48m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 8h. 0m.	
8	G	Overcast; a few drops of rain fell at 9h. 57m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast with cirro-cumuli moving ENE; a few drops of rain fell at the time of observation.	Mean daily temperature of ground 20 and 60 inches below its surface 85°2 and 84°7. Daily fall of rain by Osler's Gauge 0·14 in. 1st August was the 54th rainy day.
8	C	Overcast; a few drops of rain fell at 1h. 20m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain fell between 8h. 37m. and 8h. 51m.	
8	G	Overcast; no rain.	
8	G	" "	
7	G	Densely clouded with cirro-cumuli and cirri moving ENE.	
6	G	" " "	
8	C	Overcast with cirro-cumuli and cirri, both moving ENE.	
8	C	" " "	
8	C	Overcast; light rain fell between 3h. 31m. and 3h. 37m.	
8	C	Overcast; a few drops of rain fell between 4h. 15m. and 4h 20m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast with cirro-cumuli moving ENE; rain fell from 0h. 51m. to 0h. 59m.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 84°6. Daily fall of rain by Osler's Gauge 0·16 in. 3rd August was the 55th rainy day.
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 3h. 58m.	
8	G	Overcast; a few drops of rain fell at 4h. 0m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	Overcast; a few drops of rain fell at 9h. 6m. and a passing shower at 9h. 12m.	
8	B	Overcast; no rain.	
8	B	Overcast.	
8	B	"	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	"	
8	B	Overcast; a few drops of rain fell at 11h. 30m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 4th-Midnight	29.692	28.845	79°2	76°0	3°2	74°7	0.847	0.87	79°9	81°9	SW b W	0.5					
1 a. m.	.669	.822	79.2	76.0	3.2	74.7	.847	.87	79.9	81.9	„	1.0					
2 „	.663	.816	79.2	76.0	3.2	74.7	.847	.87	79.9	81.8	SW	0.7					
3 „	.651	.771	79.0	76.8	2.2	75.9	.880	.91	79.5	81.7	„	0.5					
4 „	.649	.761	79.0	77.0	2.0	76.2	.888	.92	79.3	81.6	SW b W	0.4					
5 „	.657	.801	79.4	76.3	3.1	75.1	.856	.87	79.3	81.5	WSW	0.5					
6 „	.673	.817	79.4	76.3	3.1	75.1	.856	.87	79.3	81.5	„	0.4					
7 „	.697	.843	79.3	76.2	3.1	75.0	.854	.87	79.4	81.6	SW	0.4					
8 „	.705	.856	80.0	76.3	3.7	74.8	.849	.85	80.0	81.7	SW b W	0.5					
9 „	.717	.863	78.5	76.0	2.5	75.0	.854	.90	79.5	81.6	WSW	0.2	0.14				
10 „	.725	.832	80.4	77.5	2.9	76.4	.893	.88	80.0	81.6	„	0.3					
11 „	.713	.821	82.3	78.0	4.3	76.4	.892	.83	80.9	81.6	SW b W	0.3					
Noon.	.699	.816	83.1	78.0	5.1	76.0	.883	.80	81.6	81.6	WSW	0.3		None.	None.	None.	None.
1 p. m.	.687	.800	84.2	78.4	5.8	76.2	.887	.78	82.0	81.7	SW	0.5					
2 „	.674	.773	85.3	79.0	6.3	76.7	.901	.76	82.4	81.8	„	0.4					
3 „	.655	.728	84.9	79.5	5.4	77.6	.927	.79	82.3	82.0	„	0.3					
4 „	.653	.742	84.4	79.0	5.4	77.0	.911	.79	82.3	82.1	„	0.2					
5 „	.660	.799	82.2	77.2	5.0	75.2	.861	.80	82.0	82.2	„	0.3					
6 „	.676	.817	80.9	76.8	4.1	75.2	.859	.84	81.2	82.3	„	0.3					
7 „	.681	.814	80.2	76.8	3.4	75.5	.867	.86	81.0	82.3	„	0.3					
8 „	.694	.822	80.1	76.9	3.2	75.6	.872	.87	80.8	82.2	„	0.2					
9 „	.713	.864	79.7	76.2	3.5	74.8	.849	.86	80.5	82.1	„	0.4					
10 „	.713	.862	79.8	76.3	3.5	74.9	.851	.86	80.5	82.1	„	0.4					
11 „	.713	.864	79.7	76.2	3.5	74.8	.849	.86	80.3	82.0	SW b W	0.5					
Aug. 5th-Midnight	.700	.843	79.3	76.3	3.0	75.1	.857	.88	80.2	82.0	SW b W	0.6					
1 a. m.	.680	.810	79.6	76.7	2.9	75.6	.870	.88	80.4	81.9	WSW	0.5					
2 „	.676	.822	79.3	76.0	3.3	75.0	.854	.86	80.2	81.9	SW	0.5					
3 „	.675	.809	79.2	76.5	2.7	75.4	.866	.89	80.0	81.8	SW b W	0.4					
4 „	.675	.787	79.0	77.0	2.0	76.2	.888	.92	80.0	81.8	„	0.4					
5 „	.685	.836	79.0	76.0	3.0	74.8	.849	.88	80.0	81.7	WSW	0.3					
6 „	.709	.895	78.6	75.0	3.6	73.5	.814	.85	79.6	81.7	„	0.9					
7 „	.722	.909	77.0	74.5	2.5	73.5	.813	.89	80.0	81.6	W b N	0.2	0.08				
8 „	.736	.920	76.8	74.5	2.3	73.6	.816	.90	80.0	81.6	WSW	0.2	0.02				
9 „	.741	.911	81.5	76.2	5.3	74.1	.830	.79	80.2	81.6	„	0.3					
10 „	.751	.939	82.4	76.0	6.4	73.4	.812	.76	81.5	81.6	W	0.7					
11 „	.745	.904	81.5	76.5	5.0	74.5	.841	.80	80.8	81.6	WSW	0.6					
Noon.	.736	.865	84.2	78.0	6.2	75.6	.871	.76	82.0	81.6	„	0.3		None.	None.	None.	None.
1 p. m.	.726	.862	83.0	77.5	5.5	75.4	.864	.79	82.0	81.8	W b S	0.3					
2 „	.709	.854	85.6	78.0	7.6	75.0	.855	.72	82.5	82.0	W	0.2					
3 „	.692	.808	83.0	78.0	5.0	76.1	.884	.80	82.0	82.1	W b S	0.4					
4 „	.692	.821	84.2	78.0	6.2	75.6	.871	.76	82.0	82.1	WSW	0.3					
5 „	.699	.848	82.4	77.0	5.4	74.9	.851	.79	82.0	82.1	W b S	0.5					
6 „	.708	.884	81.3	76.0	5.3	73.9	.824	.79	82.0	82.2	W	0.3					
7 „	.720	.872	80.5	76.4	4.1	74.8	.848	.84	81.4	82.3	WSW	0.2					
8 „	.730	.874	80.1	76.5	3.6	75.1	.856	.85	80.8	82.2	„	0.2					
9 „	.731	.891	79.8	76.0	3.8	74.5	.840	.85	80.5	82.1	„	0.3					
10 „	.737	.899	80.0	76.0	4.0	74.4	.838	.84	80.5	82.1	„	0.3					
11 „	.729	.880	79.7	76.2	3.5	74.8	.849	.86	80.4	82.0	„	0.2					
Aug. 6th-Midnight	.715	.872	79.5	76.0	3.5	74.6	.843	.86	80.2	82.0	W b S	0.2					
1 a. m.	.694	.851	79.5	76.0	3.5	74.6	.843	.86	80.2	81.9	WSW	0.3					
2 „	.682	.839	79.5	76.0	3.5	74.6	.843	.86	80.0	81.8	„	0.4					
3 „	.682	.822	79.4	76.4	3.0	75.2	.860	.88	80.0	81.8	„	0.2					
4 „	.684	.818	79.2	76.5	2.7	75.4	.866	.89	80.0	81.8	„	0.2					
5 „	.693	.868	78.4	75.2	3.2	73.9	.825	.87	80.0	81.8	W	0.3					
6 „	.709	.871	78.6	75.6	3.0	74.4	.838	.88	79.7	81.7	W b S	0.3		None.	None.	None.	None.
7 „	.737	.891	79.6	76.1	3.5	74.7	.846	.86	80.0	81.6	W	0.5					
8 „	.748	.910	80.4	76.1	4.3	74.4	.838	.83	80.4	81.7	„	0.4					
9 „	.755	.911	81.6	76.6	5.0	74.6	.844	.80	80.7	81.6	W b S	0.5					
10 „	.758	.907	83.1	77.2	5.9	74.9	.851	.77	81.5	81.7	WSW	0.4	Less than one cent.				
11 „	.757	.884	84.0	78.0	6.0	75.7	.873	.77	82.0	81.8	„	0.4					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
8	B	Overcast with ⌒i moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°1 and 84°6. Daily fall of rain by Osler's Gauge 0·12 in. 4th August was the 56th rainy day.
8	G	Overcast.	
8	G	"	
8	G	"	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	Overcast; rain from 8h. 5m. to 8h. 11m. and from 8h. 17m. to 8h. 52m.	
8	B	Overcast; a few drops of rain fell at 9h. 6m.	
8	B	Overcast.	
8	B	"	
8	B	"	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	"	
8	B	Overcast; a few drops of rain fell at 11h. 36m.	
8	B	Overcast with ⌒i moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 85°0 and 84°5. Daily fall of rain by Osler's Gauge 0·09 in. 5th August was the 57th rainy day.
8	G	Overcast.	
8	G	"	
8	G	"	
8	G	"	
8	C	Overcast with ⌒i moving E.	
8	C	Overcast; rain at 6h. 5m. which ceased at 6h. 17m. but recommenced at 6h. 27m.	
8	C	Overcast; rain ceased at 7h. 46m.; fresh breeze of wind at 7h. 30m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	Overcast; a few drops of rain fell at 10h. 55m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 2h. 58m.	
8	G	Overcast; no rain.	
8	G	Overcast.	
8	C	"	
8	C	"	
8	C	"	
8	C	"	
8	B	"	
8	B	"	
8	B	"	
8	B	Overcast with ⌒i moving E; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 84°5. 6th August was the 11th day on which the fall of rain was less than 0·01 inch.
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 3h. 56m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	Overcast with ⌒i moving ENE.	
8	B	" "	
8	B	Overcast with ⌒i and ⌒i, both moving E.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 6th-Noon.	29.748	28.872	85°7	78°5	7°2	75°8	0.876	0.73	83°0	82°0	WSW	0.5					
1 p. m.	.732	.856	85.7	78.5	7.2	75.8	.876	.73	83.0	82.0	W	0.4					
2 „	.719	.807	85.4	79.3	6.1	77.0	.912	.77	83.0	82.1	W b S	0.3					
3 „	.705	.757	85.2	80.1	5.1	78.3	.948	.80	83.0	82.2	WSW	0.3					
4 „	.695	.747	85.2	80.1	5.1	78.3	.948	.80	83.0	82.2	„	0.4					
5 „	.696	.834	83.2	77.5	5.7	75.3	.862	.78	82.3	82.3	„	0.5					
6 „	.703	.855	81.2	76.6	4.6	74.8	.848	.82	81.8	82.4	„	0.4					
7 „	.709	.863	80.3	76.3	4.0	74.7	.846	.84	81.0	82.3	„	0.5					
8 „	.717	.871	80.3	76.3	4.0	74.7	.846	.84	80.8	82.3	„	0.5					
9 „	.730	.890	79.8	76.0	3.8	74.5	.840	.85	80.5	82.2	„	0.4					
10 „	.737	.875	79.6	76.5	3.1	75.3	.862	.87	80.4	82.1	„	0.3					
11 „	.725	.863	79.6	76.5	3.1	75.3	.862	.87	80.4	82.1	„	0.3					
Aug. 7th-Midnight	.713	.889	79.5	75.5	4.0	73.9	.824	.84	80.2	82.0	WSW	0.2					
1 a. m.	.689	.827	79.6	76.5	3.1	75.3	.862	.87	80.0	82.0	„	0.3					
2 „	.675	.819	79.4	76.3	3.1	75.1	.856	.87	80.0	82.0	SW b W	0.2					
3 „	.664	.808	79.4	76.3	3.1	75.1	.856	.87	80.0	81.9	WSW	0.3					
4 „	.663	.814	79.0	76.0	3.0	74.8	.849	.88	79.8	81.8	SW	0.2					
5 „	.676	.827	79.0	76.0	3.0	74.8	.849	.88	79.8	81.8	WSW	0.4					
6 „	.684	.833	79.2	76.1	3.1	74.9	.851	.87	79.8	81.8	W b S	0.3					
7 „	.698	.843	79.5	76.3	3.2	75.0	.855	.87	80.0	81.9	WSW	0.3					
8 „	.715	.869	80.3	76.3	4.0	74.7	.846	.84	80.5	81.9	„	0.7					
9 „	.717	.904	80.5	75.5	5.0	73.5	.813	.80	80.5	81.8	„	0.4					
10 „	.726	.880	83.6	77.2	6.4	74.7	.846	.77	81.5	81.8	SW b W	0.3					
11 „	.715	.865	84.6	77.6	7.0	74.8	.850	.74	82.3	82.0	WSW	0.3					
Noon.	.708	.869	85.3	77.5	7.8	74.4	.839	.71	82.9	82.1	W b S	0.6					
1 p. m.	.695	.851	81.6	76.6	5.0	74.6	.844	.80	81.0	82.1	„	0.6					
2 „	.687	.836	83.1	77.2	5.9	74.9	.851	.77	81.5	82.1	„	0.4					
3 „	.681	.751	84.6	79.5	5.1	77.7	.930	.80	81.7	82.1	W	0.3					
4 „	.675	.738	82.0	79.0	3.0	77.9	.937	.88	81.5	82.0	W b N	0.2	0.04				
5 „	.675	.839	82.7	76.7	6.0	74.3	.836	.77	82.0	82.1	WNW	0.3					
6 „	.684	.857	81.0	76.0	5.0	74.0	.827	.80	81.6	82.2	WSW	0.2					
7 „	.694	.861	79.4	75.7	3.7	74.2	.833	.85	80.8	82.3	W	0.3					
8 „	.704	.851	79.7	76.3	3.4	75.0	.853	.86	80.6	82.2	„	0.2					
9 „	.715	.841	79.5	76.8	2.7	75.7	.874	.89	80.2	82.2	„	0.2					
10 „	.717	.890	79.2	75.5	3.7	74.0	.827	.85	80.0	82.1	WSW	0.3					
11 „	.709	.862	79.2	76.0	3.2	74.7	.847	.87	80.0	82.1	„	0.3					
Aug. 8th-Midnight	.696	.861	78.5	75.5	3.0	74.3	.835	.88	79.8	82.0	W b S	0.5					
1 a. m	.679	.796	77.7	76.5	1.2	76.0	.883	.95	79.0	81.9	„	0.4					
2 „	.671	.800	78.8	76.5	2.3	75.6	.871	.90	79.5	81.8	WSW	0.3					
3 „	.661	.788	78.6	76.5	2.1	75.7	.873	.91	79.5	81.7	W	0.7					
4 „	.663	.790	78.6	76.5	2.1	75.7	.873	.91	79.5	81.7	WSW	0.6					
5 „	.671	.800	78.4	76.4	2.0	75.6	.871	.92	79.4	81.6	W b S	0.7					
6 „	.697	.833	78.4	76.2	2.2	75.4	.864	.91	79.4	81.6	WSW	0.6	0.01				
7 „	.715	.845	79.2	76.6	2.6	75.6	.870	.89	79.6	81.7	W	0.3					
8 „	.728	.855	80.4	77.0	3.4	75.7	.873	.86	80.2	81.7	W b S	0.5					
9 „	.738	.870	82.7	77.5	5.2	75.5	.868	.80	81.0	81.7	„	0.4					
10 „	.735	.860	83.8	78.0	5.8	75.8	.875	.78	81.6	81.8	W	0.3					
11 „	.733	.860	84.0	78.0	6.0	75.7	.873	.77	82.0	81.9	„	0.6					
Noon.	.722	.860	85.0	78.0	7.0	75.3	.862	.74	82.6	82.0	„	0.5					
1 p. m.	.712	.751	85.6	80.5	5.1	78.7	.961	.81	83.0	82.1	W b S	0.4					
2 „	.696	.723	84.1	80.4	3.7	79.1	.973	.85	82.9	82.1	WSW	0.3					
3 „	.679	.744	86.0	80.0	6.0	77.8	.935	.77	83.0	82.2	W	0.2					
4 „	.671	.709	85.5	80.5	5.0	78.7	.962	.81	83.0	82.2	WSW	0.3					
5 „	.672	.736	84.0	79.5	5.5	77.9	.936	.82	82.8	82.3	„	0.3					
6 „	.680	.836	81.6	76.6	5.0	74.6	.844	.80	82.0	82.4	„	0.4					
7 „	.696	.844	80.5	76.5	4.0	74.9	.852	.84	81.7	82.4	„	0.3					
8 „	.709	.832	80.0	77.0	3.0	75.8	.877	.88	81.0	82.3	„	0.3					
9 „	.728	.863	79.7	76.6	3.1	75.4	.865	.87	80.8	82.3	„	0.2					
10 „	.728	.866	80.0	76.6	3.4	75.3	.862	.86	80.7	82.2	„	0.2					
11 „	.726	.864	80.0	76.6	3.4	75.3	.862	.86	80.5	82.1	SW b W	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ci cirri; Cci cirro-cumuli; Cu cumuli; Csi cirro-strati; Csu cumulo-strati; and N nimbi.	
7	B	Densely clouded with Ci and Cci, the former moving E.	
8	G	Overcast with Cci moving E.	
8	G	" "	
7	G	Cci, Ci and Cci scattered about.	
6	G	" "	
8	C	Overcast with Cci and Ci.	
8	C	" "	
8	C	Overcast with Cci moving E.	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast with Cci moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°9 and 84°5. Daily fall of rain by Osler's Gauge 0·04 in. 7th August was the 58th rainy day.
8	G	" "	
7	G	Cci scattered throughout moving E.	
8	G	Overcast; a few drops of rain fell at 3h. 52m.	
8	G	Overcast; no rain.	
8	C	Overcast; a few drops of rain fell at 5h. 31m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
7	B	Cci scattered throughout moving E.	
7	B	" "	
8	G	Overcast with Cci moving E.	
8	G	" "	
7	G	Cci and Ci scattered throughout; rain fell between 3h. 34m. and 3h. 40m.	
6	G	Cci and Ci scattered about, the former moving E.	
5	C	Clouded with Cci and Cci, the former moving E.	
5	C	Cci, Cci and Ci scattered about, the former moving E.	
7	C	Cci around hor.; Ci and Cci scattered about zenith.	
8	C	Overcast with Cci and Cci, the former moving E.	
7	B	Cci scattered about moving E.	
8	B	Overcast with Cci moving E.	
8	B	Overcast; a few drops of rain fell between 11h. 55m. to 11h. 58m.	
8	B	Overcast with Cci moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 84°5. Daily fall of rain by Osler's Gauge 0·01 in. Temperature of Evaporation at 1 P.M. was 80°5 greatest during the month. At 2 P.M. the temperature of calculated Dew-Point and at 3 P. M. the temperature of Free Air were respectively greatest in the month. 8th August was the 59th rainy day.
5	G	Cci scattered about moving ENE.	
7	G	" "	
8	G	Overcast with Cci moving ENE.	
8	G	Overcast; light rain fell between 4h. 41m. and 4h. 49m.	
8	C	Overcast; light rain fell between 5h. 52m. and 5h. 57m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
5	B	Cci scattered about moving E.	
5	G	" "	
5	G	Cci, Cci and Ci scattered about, the former moving ENE.	
6	G	Cci and Cci scattered about, the former moving ENE.	
6	G	Clouded as before.	
7	C	" "	
8	C	Overcast; a few drops of rain from 6h. 51m. to 6h. 54m.	
8	C	Overcast; a few drops of rain fell from 7h. 5m. to 7h. 7m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	Overcast; a few drops of rain fell at 10h. 46m.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 feet in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds between same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Aug. 10th-Midnight	29.707	28.894	77°0	74°5	2°5	73°5	0.813	0.89	78°6	81°5	W b S	0.4	0.03				
1 a. m.	.675	.866	76.7	74.3	2.4	73.3	.809	.90	79.0	81.5	WSW	0.5					
2 „	.663	.869	77.0	74.0	3.0	72.8	.794	.87	79.0	81.5	„	0.4					
3 „	.653	.775	78.1	76.5	1.6	75.9	.878	.93	79.4	81.5	„	0.5					
4 „	.653	.793	78.0	76.0	2.0	75.2	.860	.92	79.4	81.5	W	0.4					
5 „	.663	.813	78.2	75.8	2.4	74.8	.850	.90	79.2	81.4	W b S	0.3					
6 „	.677	.827	78.2	75.8	2.4	74.8	.850	.90	79.0	81.4	WSW	0.5					
7 „	.696	.851	78.6	75.8	2.8	74.7	.845	.88	79.0	81.3	W b S	0.4					
8 „	.717	.857	79.8	76.5	3.3	75.2	.860	.86	79.4	81.3	WSW	0.6					
9 „	.721	.869	79.5	76.2	3.3	74.9	.852	.86	79.5	81.2	„	0.5	0 02				
10 „	.721	.926	77.6	74.2	3.4	72.8	.795	.86	78.8	81.2	WNW	0.4	0.02	None.	None.	None.	None.
11 „	.720	.882	80.0	76.0	4.0	74.4	.838	.84	79.6	81.2	„	0.2					
Noon.	.711	.859	82.3	77.0	5.3	74.9	.852	.79	80.9	81.4	W	0·1					
1 p. m.	.678	.834	84.5	77.4	7.1	74.6	.844	.73	81.9	81.5	„	0.2					
2 „	.655	.822	84.0	77.0	7.0	74.2	.833	.73	81.0	81.6	„	0.3					
3 „	.632	.753	81.7	77.5	4.2	75.9	.879	.83	81.0	81.6	„	0.2					
4 „	.625	.746	81.7	77.5	4.2	75.9	.879	.83	81.0	81.6	„	0.3					
5 „	.637	.786	81.0	76.6	4.4	75.1	.851	.82	81.0	81.7	WSW	0.3					
6 „	.641	.776	79.3	76.5	2.8	75.4	.865	.88	80.0	81.8	W	0.3	0.03				
7 „	.653	.804	79.0	76.0	3.0	74.8	.849	.88	80.0	81.9	W b S	0.3					
8 „	.669	.820	79.0	76.0	3.0	74.8	.849	.88	80.0	81.9	WSW	0·3					
9 „	.671	.842	79.0	75.5	3.5	74.1	829	.86	79.9	81.9	„	0.4					
10 „	.675	.854	78.0	75.0	3.0	73.8	.821	.87	79.1	81.8	„	0.5	0.10				
11 „	.671	.858	77.0	74.5	2.5	73.5	.813	.89	78.6	81.6	WNW	0.4					
Aug. 11th-Midnight	.655	.830	77.6	75.0	2.6	73.9	.825	.89	78.8	81.4	W	0·3					
1 a. m.	.630	.762	77.3	76.0	1.3	75.5	.868	.94	78.2	81.3	„	0.4	0.01				
2 „	.616	.745	77.0	76.0	1.0	75.6	.871	.96	78.0	81·2	W b S	0.6	0.08				
3 „	.599	.728	77.0	76.0	1·0	75.6	.871	.96	78.0	81.2	W b N	0.7	0.01				
4 „	.602	.771	76.8	75.2	1.6	74.1	.831	.93	77.9	81.1	NW	0.5					
5 „	.608	.770	77.2	75.2	2 0	74.4	.838	.91	78.0	81.1	W	0.3					
6 „	.624	.803	78.0	75.0	3.0	73.8	.821	.87	78.0	81.0	W b N	1.0					
7 „	.637	.805	77.0	75.0	2.0	74.2	.832	.91	78.0	81.0	NW b W	0.7	0.02				
8 „	.652	.805	79.2	76.0	3.2	74.7	.847	.87	78.7	81.0	W b N	1.3					
9 „	.667	.795	81·2	77.2	4.0	75.6	.872	.84	80.0	81.0	WNW	0.6					
10 „	.669	.839	78.2	75.3	2.9	74.1	.830	.88	79.0	81.0	W	0.5	0.08				
11 „	.652	.757	82.0	78.0	4.0	76.5	.895	.84	80.3	81.1	WNW	0.5		None.	None.	None.	None.
Noon.	.629	.756	82.2	77.5	4.7	75.7	.873	.81	81.0	81.2	W	0.6					
1 p. m.	.609	.684	81.2	78.5	2.7	77.5	.925	.89	80·7	81.2	„	0.6					
2 „	.592	.652	82.8	79.3	3.5	78.0	.940	.86	81.0	81.3	„	0.7					
3 „	.579	.635	81.4	79.0	2.4	78.1	.944	.90	80.9	81.3	„	0.6					
4 „	.571	.627	81.4	79.0	2.4	78.1	.944	.90	80.9	81.4	„	0.6					
5 „	.575	.722	80·5	76.4	3.6	75.0	.853	.85	80.6	81.5	„	0.5					
6 „	.583	.745	80.0	76·0	4.0	74.4	.838	.84	80.4	81.5	„	0.6					
7 „	.596	.743	79.4	76.2	3.2	75.0	.853	.87	80.2	81.6	„	0.9					
8 „	.614	.750	79.0	76.4	2.6	75.4	.864	.89	80.0	81.5	„	0.7					
9 „	.622	.756	79.2	76.5	2.7	75.4	.866	.89	80.0	81.5		0.6					
10 „	.626	.799	79.6	75.6	4.0	74.0	.827	.84	80.0	81.5		0.6					
11 „	.616	.795	79.4	75.4	4.0	73.8	.821	.84	80.0	81.4		0.6					
Aug. 12th-Midnight	.601	.752	79.0	76.0	3.0	74.8	.849	.88	79.9	81.3	W	0.5					
1 a. m.	.582	.733	79.0	76.0	3.0	74.8	.849	.88	79·9	81.3	„	1.0					
2 „	.563	.692	78.8	76.5	2.3	75.6	.871	·90	79.2	81.3	W b S	0.7	0.01				
3 „	.554	.655	78.0	77.0	1.0	76·6	.899	.96	79.0	81.3	W	1.2					
4 „	.552	.688	77.6	76.0	1.6	75.4	.864	.93	78.5	81.2	„	0.7	0·04				
5 „	.564	.713	76.7	75 4	1.3	74.9	.851	.94	78.4	81.2	„	1.5	0.01	None.	None.	None.	None.
6 „	.579	.736	76.0	75.0	1.0	74.6	.843	.96	78.0	81.1	NW b W	0 6	0.13				
7 „	.597	.744	76 5	75.4	1·1	75·0	.853	.95	78.0	81.0	W b N	0.4	0·12				
8 „	.606	.741	77.5	76.0	1.5	75.4	.865	.94	78.3	81.0	W b S	0.7	0.10				
9 „	.616	.739	77.6	76.2	1.4	75.8	.877	.94	78.4	80.8	W	0.8	0.12				
10 „	.619	.783	76.6	75.0	1.6	74.3	.836	.93	78.0	80.6	W b N	0.8	0.32				
11 „	.612	.776	76.6	75 0	1.6	74.3	.836	.93	78.0	80.5	WSW	0.8	0.15				

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≤ cirri; ≤≤ cirro-cumuli; ⌒ cumuli; ≤— cirro-strati; ⌒— cumulo-strati; and ≤⌒ nimbi.	
8	B	Overcast with ≤≤ moving NE; a few drops of rain at 0h. 58m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°8 and 84°5. Daily fall of rain by Osler's Gauge 0·20 in. Temperature of Evaporation at 2 A. M. was 74°0 lowest in the month and at 10 A. M. the temperature of calculated Dew-Point was lowest in the month. 10th August was the 60th rainy day.
8	G	Overcast; no rain.	
8	G	" "	
5	G	≤≤ scattered about moving NE.	
6	G	≤≤ scattered about moving ENE; a few drops of rain fell at 4h. 51m.	
7	C	≤≤ scattered about moving ENE.	
8	C	Overcast.	
8	C	"	
8	C	Overcast; light rain fell between 8h. 3m. and 8h. 18m.	
8	B	Overcast; rain commenced at 9h. 25m.	
8	B	Overcast; rain ceased at 10h. 9m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	≤≤ scattered about moving E.	
8	G	Overcast.	
7	G	"	
8	G	"	
8	C	Overcast; light rain from 5h. 3m. to 5h. 19m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	Overcast; rain commenced at 9h. 18m. and ceased at 9h. 33m.	
8	B	Overcast; drops of rain fell at 10h. 3m. and at 10h. 30m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≤≤ moving E; rain fell from 0h. 14m. to 0h. 17m. and from 0h. 29m. to	Mean daily temperature of ground 20 and 60 inches below its surface 84°7 and 84°4. Daily fall of rain by Osler's Gauge 0·20 in. 11th August was the 61st rainy day.
8	G	Overcast; rain fell from 1h. 47m. to 1h. 58m. [0h. 34m.	
8	G	Overcast; drops of rain fell from 2h. 11m. to 2h. 19m.	
8	G	Overcast; no rain.	
8	G	Overcast; rain fell between 4h. 17m. to 4h. 29m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain fell between 6h. 46m. to 6h. 55m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain fell from 8h. 1m. to 8h. 6m.	
8	B	Overcast; rain fell from 9h. 25m. to 9h. 55m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast; rain fell from 12h. 57m. to 12h. 58m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	G	" "	
8	C	" "	
8	C	Overcast; drops of rain fell between 6h. 18m. and 6h. 23m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; drops of rain between 11h. 50m. and 11h. 55m.	
8	B	Overcast with ≤≤ moving E; fresh breezes of wind after 0h. 26m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 84°2. Daily fall of rain by Osler's Gauge 2·96 in. 12th August was the 62nd rainy day.
8	G	Overcast; fresh breezes of wind; rain from 1h. 30m. to 1h. 34m.	
8	G	Overcast; fresh breezes of wind; no rain.	
8	G	Overcast; fresh breezes of wind; drops of rain from 3h. 41m. to 3h. 67m.	
8	G	Overcast; fresh breezes of wind from W; rain commenced at 4h. 25m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	Overcast; rain ceased at 8h. 20m. but recommenced at 8h. 45m. which lasted 10m.	
8	B	Overcast; rain commenced at 9h. 7m.	
8	B	Overcast; raining.	
8	B	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volts 1.	Readings of Straws of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 12th-Noon.	29.599	28.756	76°0	75°0	1°0	74°6	0.843	0.96	77°3	80°5	NW	0.8	0.34				
1 p. m.	.589	.746	76.0	75.0	1.0	74.6	.843	.96	77.0	80.4	W	0.5	0.33				
2 „	.569	.726	76.0	75.0	1.0	74.6	.843	.96	77.0	80.3	W b S	0.3	0.55				
3 „	.561	.718	76.0	75.0	1.0	74.6	.843	.96	77.0	80.3	WNW	0.6	0.24				
4 „	.557	.703	76.4	75.4	1.0	75.0	.854	.96	77.0	80.3	W	0.4	0.20				
5 „	.555	.693	76.8	75.7	1.1	75.3	.862	.95	77.4	80.3	W b N	0·3	0.04	None.	None.	None.	None.
6 „	.556	.689	77.0	75.9	1.1	75.5	.867	.95	77.8	80.3	„	0.2	0.02				
7 „	.562	.708	76.4	75.4	1.0	75.0	.854	.96	77.8	80.4	W	0.3	0.27				
8 „	.573	.702	77.0	76.0	1.0	75.6	.871	.96	77.7	80.4	„	0.3	0.10				
9 „	.587	.759	77·4	75.0	2.4	74.0	.823	.90	78.0	80.4	„	0.6					
10 „	.587	.755	77.0	75.0	2.0	74.2	·832	.91	78.0	80.4	„	0·5	0.07				
11 „	.582	.750	77.7	75.2	2.5	74.2	·832	.89	78.5	80.5	„	0.7					
Aug. 13th-Midnight	.569	.737	77·7	75.2	2.5	74.2	.832	.89	78.5	80.5	W	0.8					
1 a. m.	.551	.669	77.8	76.5	1.3	76.0	.882	.94	78.6	80.5	W b S	1.0					
2 „	.533	.670	77.7	76.0	1.7	75.3	·863	.93	78.5	80.5	W b N	3.0					
3 „	.527	.664	77.7	76.0	1.7	75.3	.863	.93	78.3	80.5	W	1.4	0.02				
4 „	.527	.667	78.0	76 0	2 0	75.2	·860	.92	78.3	80.5	„	1.0					
5 „	.545	.694	77·0	75.5	1.5	74 9	.851	.94	78.2	80.4	„	1.2	0.06				
6 „	·555	.628	77.4	76.0	1.4	75.5	.867	.94	78.0	80.3	„	0.9	0.02				
7 „	.571	.735	76·6	75.0	1.6	74.3	·836	.93	77.6	80.2	„	0.7	0.13				
8 „	.587	.735	76·6	75.4	1.2	74.9	·852	.95	77.7	80.2	„	1.2	0.07	None.	None.	None.	None.
9 „	.595	.763	77.0	75.0	2.0	74.2	·832	.91	78.0	80.3	„	0.6	0.01				
10 „	.600	.721	79 8	77.0	2.8	75.9	.879	.88	79.0	80.4	„	1.2					
11 „	.586	.731	80.2	76·5	3.7	75.0	.855	.85	79.2	80.5	WSW	0.7					
Noon.	.577	.734	80.3	76.2	4.1	74·6	.843	.83	79.6	80·5	W b S	1.0					
1 p. m.	.560	.649	80 5	78.0	2.5	77.0	.911	·90	79.8	80.5	WSW	1.2					
2 „	.548	.682	79.2	76.5	2.7	75.4	.866	.89	79.2	80.5	„	0 7	0.02				
3 „	.536	.648	79.0	77.0	2.0	76.2	.888	·92	79.0	80.5	„	1·0	0.01				
4 „	.524	.636	79.0	77.0	2.0	76.2	.888	.92	79.0	80.5	SW b W	0.6					
5 „	.533	.668	78.3	76.2	2.1	75 4	.865	.91	78.5	80.6	WSW	1.2					
6 „	.547	.687	78.0	76.0	2.0	75.2	·860	.92	78·0	80.6	„	0 to 2	0.01				
7 „	.559	.691	76.9	75.9	1.0	75.5	·868	.96	77.8	80.6	„	0 to 5	0.05				
8 „	.570	.699	77.0	76.0	1.0	75.6	.871	.96	78.0	80.5	„	2 2					
9 „	.587	.751	76.6	75.0	1.6	74·3	·836	.93	77.5	80.5	W b S	2.5	0·01				
10 „	.595	.752	76·0	75.0	1·0	74.6	.843	.96	77.2	80.5	„	1.5	0 03				
11 „	.595	.746	76.2	75.2	1.0	74.8	.849	.96	77.2	80.4	„	2.5	0 02				
Aug. 14th-Midnight	.587	.744	76.0	75.0	1.0	74.6	.843	.96	77.3	80.4	W b S	1.8	0.04				
1 a. m.	.555	.693	75.7	75.4	0·3	75.3	.862	.99	77.2	80.4	WSW	½ to 5	0.18				
2 „	.546	.692	75.0	75.0	0.0	75.0	.854	1.00	77.0	80.3	„	1 to 7	0.03				
3 „	.540	.731	76·7	74.3	2·4	73.3	.809	0.90	77.5	80.2	„	1.6					
4 „	.537	.705	77.0	75.0	2 0	74.2	·832	.91	77.5	80.2	„	1.0					
5 „	.559	.699	78.0	76.0	2.0	75.2	.860	.92	77.7	80.2	„	2.0					
6 „	.574	.731	77.0	75.3	1.7	74.6	·843	.93	77.7	80.1	„	1.7					
7 „	.590	.727	77.7	76.0	1.7	75.3	.863	.93	78·0	80.1	„	1.0					
8 „	.610	·759	77.4	75.6	1·8	74 9	.851	.92	78.0	80.2	„	1 4					
9 „	.617	.764	78.6	76.0	2 6	75.0	.853	.89	78.6	80.2	„	1.0					
10 „	.622	.756	78.2	76.2	2.0	75 4	·866	.92	78.5	80.2	SW b W	0.8	0.01				
11 „	.622	.743	78.0	76.5	1 5	75.9	.879	.94	78.2	80.2	WSW	0.8	0.17				
Noon.	.614	·747	77.4	76.0	1.4	75.5	.867	.94	78.0	80.2	„	0.8	0.06	None.	None.	None.	None.
1 p. m.	.584	.665	79.8	78.0	1 8	77.3	.919	.92	78.7	80.2	SW	½ to 4					
2 „	.575	.647	79.0	78 0	1 0	77.6	.928	.96	78 5	80.2	„	½ to 4	0.08				
3 „	.564	.616	78.3	78.3	0 0	78·3	.948	1.00	78.3	80.2	SW b W	½ to 3	0.01				
4 „	.548	.649	78.0	77.0	1 0	76.6	·899	0.96	78.3	80.2	SW	½ to 2	0 05				
5 „	.560	.709	77.0	75 5	1.5	74.9	·851	.94	78.0	80.1	SW b W	2.0	0.03				
6 „	.571	.718	77.2	75.6	1.6	75.0	·853	.93	78 0	80.2	SW b S	1.6	0.01				
7 „	.589	.718	77.0	76.0	1.0	74 6	.871	.96	78.0	80.2	SW	1.0	0.01				
8 „	.603	.754	76.2	75.2	1.0	74.8	.849	.96	77.5	80.1	„	1.0	0.12				
9 „	.621	.778	76.0	75.0	1·0	74.6	.843	.96	77.3	80.1	SW b W	0.7	0.05				
10 „	.635	.792	76.0	75·0	1.0	74.6	.843	.96	77.3	80.1	SW b S	1.5					
11 „	.635	.778	76.5	75.5	1.0	75·1	.857	.96	77.6	80.1	SSW	0 to 2½					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	
8	B	Overcast; raining.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; rain ceased at 4h. 21m. but recommenced at 4h. 38m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 7h. 47m.	
8	C	Overcast; light rain fell from 8h. 17m. to 8h. 25m.	
8	B	Overcast; rain from 9h. 1m. to 9h. 11m. and from 9h. 36m. to 9h. 38m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few drops of rain fell at 11h. 2m.	
8	B	Overcast with ∿ moving E; fresh breezes of wind from W.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°1. Daily fall of rain by Osler's Gauge 0·44 in. The height of Standard Barometer at 4 P. M. was 29·524 in. lowest during the month and about 0·140 in. lower than the Normal Mean for the same hour. 13th August was the 63rd rainy day.
8	G	Overcast; fresh breezes of wind from W. [2h. 38m.	
8	G	Overcast; fresh breezes of wind from W; a few drops of rain fell from 2h. 28m. to	
8	G	Overcast; fresh breezes of wind from W. [8h. 60m.	
8	G	Overcast with ∿ moving ESE; rain from 4h. 8m. to 4h. 14m. and from 8h. 27m. to	
8	C	Overcast with ∿ moving E; raining lightly.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 8h. 18m.	
8	B	Overcast with ∿ moving ENE.	
8	B	" " "	
8	B	" " "	
8	B	" " "	
8	G	Overcast; drops of rain from 1h. 5m. to 1h. 7m. and 1h. 32m. to 1h 38m.	
8	G	Overcast; drops of rain from 2h. 42m. to 2h. 47m.	
8	G	Overcast; a few drops of rain at 3h. 32m.	
8	G	Overcast; no rain.	
8	C	Overcast; rain commenced at 5h. 3m.	
8	C	Overcast; raining till 6h. 56m.	
8	C	Overcast; fresh breezes of wind.	
8	C	Overcast; fresh breezes of wind; a few drops of rain fell at 8h. 2m.	
8	B	Overcast; fresh breezes of wind from W; a few drops of rain.	
8	B	Overcast; fresh breezes of wind from W; raining lightly.	
8	B	Overcast; fresh breezes of wind from W; raining lightly.	
8	B	Overcast with ∿ moving E; raining lightly. [which lasted 2m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 84°0. Daily fall of rain by Osler's Gauge 0·85 in. 14th August was the 64th rainy day.
8	G	Overcast; fresh breezes of wind; rain ceased at 1h. 37m. but recommenced at 1h. 50m.	
8	G	Overcast; fresh breezes of wind from W.	
8	G	" " "	
8	G	" " "	
8	C	Overcast; fresh breezes of wind from SW.	
8	C	" " "	
8	C	Overcast; a few drops of rain fell at 7h. 19m.	
8	C	Overcast; fresh breezes of wind from W.	
8	B	Overcast with ∿ moving ENE; drops of rain from 9h. 30m. to 9h. 59m.	
8	B	Overcast; rain from 10h. 10m. to 10h. 40m.	
8	B	Overcast; rain from 11h. 37m. to 11h. 52m.	
8	B	Overcast; rain from 0h. 58m. to 0h. 59m.	
8	G	Overcast; rain from 1h. 44m. to 1h. 49m.	
8	G	Overcast; drops of rain from 2h. 29m. to 2h. 35m.	
8	G	Overcast; drops of rain from 3h. 11m. to 3h. 17m. and 3h. 39m to 3h. 44m.	
8	G	Overcast; drops of rain from 4h. 9m. to 4h. 14m. and from 4h. 56m. to 5h. 00m.	
8	C	Overcast; rain ceased at 5h. 16m.	
8	C	Overcast; rain commenced at 6h. 55m. [again it commenced at 7h. 53m.	
8	C	Overcast; rain ceased at 7h. 11m. but recommenced at 7h. 19m. which lasted 28m.;	
8	C	Overcast; rain ceased at 8h. 17m. but recommenced at 8h. 46m. which lasted 6m.	
8	B	Overcast; drops of rain now and then.	
8	B	Overcast; no rain.	
8	B	Overcast; rain from 11h. 10m. to 10h. 30m.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet-Bulb Thermometer.	Thermometers. Depression of Wet-Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in seconds during the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 15th-Midnight	29.634	28.818	75°0	74°0	1°0	73°6	0.816	0.96	77°0	80°1	SSW	0.5	0.12				
1 a. m.	.593	.755	77.2	75.2	2.0	74.4	.838	.91	77.5	80.1	„	0.6	0.02				
2 „	.587	.755	77.0	75.0	2.0	74.2	.832	.91	77.5	80.0	SW	0.6	0.05				
3 „	.589	.744	75.8	75.0	0.8	74.7	.845	.97	77.0	80.0	SW b W	0.6	0.06				
4 „	.593	.750	76.0	75.0	1.0	74.6	.843	.96	77.0	80.0	„						
5 „	.593	.757	76.6	75.0	1.6	74.3	.836	.93	77.2	80.0	„	0.4	0.01				
6 „	.610	.765	75.8	75.0	0.8	74.7	.845	.97	77.0	80.0	WSW	0.3	0.03				
7 „	.629	.758	77.0	76.0	1.0	75.6	.871	.96	77.3	80.0	SW	0.4					
8 „	.641	.742	78.0	77.0	1.0	76.6	.899	.96	77.7	80.0	SW b S	0.6					
9 „	.655	.762	78.5	77.0	1.5	76.4	.893	.94	78.2	80.0	WSW	0.5					
10 „	.657	.751	81.0	78.0	3.0	76.8	.906	.88	80.0	80.1	SW b W	0.5		None.	None.	None.	None.
11 „	.653	.768	80.0	77.2	2.8	76.1	.885	.88	79.6	80.1	„	0.4	0.01				
Noon.	.640	.763	80.0	77.0	3.0	75.8	.877	.88	79.7	80.2	WSW	0.5	0.04				
1 p. m.	.625	.689	82.3	79.2	3.6	77.9	.936	.86	80.4	80.3	SW b S	0.5					
2 „	.609	.703	82.5	78.4	4.1	76.8	.906	.84	80.7	80.4	„	0.5	0.01				
3 „	.590	.642	81.0	79.0	2.0	78.3	.948	.92	80.5	80.5	„	0.4	0.02				
4 „	.581	.693	79.0	77.0	2.0	76.2	.888	.92	80.0	80.5	WSW	0.6	0.01				
5 „	.577	.703	78.5	76.5	2.0	75.7	.874	.92	80.0	80.5	„	0.5					
6 „	.596	.733	77.0	75.8	1.2	75.3	.863	.95	79.6	80.5	„	0.4					
7 „	.607	.762	75.8	75.0	0.8	74.7	.845	.97	78.2	80.5	SW b S	0.2	0.16				
8 „	.629	.786	76.0	75.0	1.0	74.6	.843	.96	78.5	80.5	SSW	0.3					
9 „	.653	.810	76.0	75.0	1.0	74.6	.843	.96	78.2	80.5	SW	0.2	0.07				
10 „	.659	.816	76.0	75.0	1.0	74.6	.843	.96	78.2	80.4	SW b W	0.4	0.02				
11 „	.659	.797	75.7	75.0	0.3	75.3	.862	.99	78.0	80.4	„	0.5					
Aug. 17th-Midnight	.653	.784	77.2	76.0	1.2	75.5	.869	.95	78.2	80.5	WSW	0.4					
1 a. m.	.638	.769	77.2	76.0	1.2	75.5	.869	.95	78.2	80.5	„	0.3	0.02				
2 „	.612	.744	77.3	76.0	1.3	75.5	.868	.94	78.3	80.4	„	0.3	0.02				
3 „	.606	.724	77.8	76.5	1.3	76.0	.882	.94	78.3	80.4	„	0.2	0.02				
4 „	.609	.727	77.8	76.5	1.3	76.0	.882	.94	78.2	80.4	„	0.3					
5 „	.612	.730	77.8	76.5	1.3	76.0	.882	.94	78.1	80.3	W b S	0.5					
6 „	.617	.735	77.8	76.5	1.3	76.0	.882	.94	78.1	80.3	WSW	0.3					
7 „	.638	.763	78.0	76.4	1.6	75.8	.875	.93	78.3	80.3	„	0.4					
8 „	.660	.745	80.2	78.0	2.2	77.2	.915	.91	79.0	80.4	W	0.3					
9 „	.667	.758	81.5	78.2	3.3	76.9	.909	.87	80.0	80.5	WSW	0.4					
10 „	.677	.791	82.8	78.0	4.8	76.1	.886	.81	80.7	80.5	SW b W	0.3					
11 „	.673	.838	82.0	76.5	5.5	74.3	.835	.78	80.7	80.6	WSW	0.7		None.	None.	None.	None.
Noon.	.659	.799	80.8	76.8	4.0	75.2	.860	.84	80.2	80.6	„	0.4	0.05				
1 p. m.	.653	.797	83.8	77.5	6.3	75.1	.856	.76	81.0	80.8	W	0.3					
2 „	.637	.739	80.2	77.6	2.6	76.6	.893	.89	80.2	80.8	WSW	0.2	0.26				
3 „	.625	.767	82.8	77.3	5.5	75.1	.858	.79	80.1	80.8	SW b W	0.2					
4 „	.617	.728	80.8	77.5	3.3	76.3	.889	.87	80.2	80.9	„	0.3					
5 „	.620	.760	79.8	76.5	3.3	75.2	.860	.86	80.0	81.0	„	0.3					
6 „	.633	.784	79.0	76.0	3.0	74.8	.849	.88	79.5	81.0	WSW	0.3					
7 „	.646	.786	78.0	76.0	2.0	75.2	.860	.92	79.0	81.1	„	0.3	0.03				
8 „	.664	.799	77.5	76.0	1.5	75.4	.865	.94	78.7	81.0	„	0.3	0.02				
9 „	.670	.805	77.5	76.0	1.5	75.4	.865	.94	78.5	80.9	„	0.2	0.01				
10 „	.677	.812	77.5	76.0	1.5	75.4	.865	.94	78.5	80.7	„	0.2					
11 „	.664	.830	76.8	75.0	1.8	74.3	.834	.92	78.2	80.7	W	0.5	0.05				
Aug. 18th-Midnight	.656	.802	76.8	75.5	1.3	75.0	.854	.94	78.0	80.6	W b S	0.6	0.08				
1 a. m.	.636	.804	77.0	75.0	2.0	74.2	.832	.91	78.0	80.6	W b N	0.4	0.03				
2 „	.624	.815	76.7	74.3	2.4	73.3	.809	.90	78.0	80.6	WSW	0.5					
3 „	.618	.755	77.0	75.8	1.2	75.3	.863	.95	78.2	80.6	„	0.3					
4 „	.616	.745	77.0	76.0	1.0	75.6	.871	.96	78.0	80.5	„	0.4	0.04				
5 „	.626	.748	77.4	76.3	1.1	75.9	.878	.95	78.0	80.5	„	0.4		None.	None.	None.	None.
6 „	.650	.776	77.5	76.2	1.3	73.7	.874	.94	78.0	80.4	„	0.4					
7 „	.665	.792	77.8	76.3	1.5	75.7	.873	.94	78.3	80.5	„	0.4					
8 „	.682	.789	77.8	76.8	1.0	76.4	.893	.96	78.6	80.5	SW b W	0.6	0.01				
9 „	.688	.794	80.6	77.6	3.0	76.4	.894	.88	79.6	80.5	„	0.5					
10 „	.692	.832	81.5	77.0	4.5	75.2	.860	.82	80.3	80.6	WSW	0.4					
11 „	.692	.819	82.2	77.5	4.7	75.7	.873	.81	80.6	80.6	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
8	B	Overcast with ≋ moving NE; drops of rain from 0h. 32m. to 0h. 46m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 83°6. Daily fall of rain by Osler's Gauge 0·67 in. Temperature of External and Free Air at Midnight was 75°0 lowest during the month and the Normal Mean for the same hour was 77·6. 15th August was the 65th rainy day.
8	G	Overcast; rain from 1h. 5m. to 1h. 21m. and 1h. 42m. to 1h. 47m.	
8	G	Overcast; rain from 2h. 28m. to 2h. 40m.	
8	G	Overcast; no rain.	
8	G	Overcast; drops of rain from 4h. 42m. to 4h. 51m.	
8	G	Overcast; drops of rain from 5h. 32m. to 5h. 41m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain from 8h. 30m. to 8h. 36m.	
8	B	≋ scattered about moving ENE.	
8	B	Overcast; showers of rain now and then.	
8	B	Overcast; a shower of rain from 11h. 48m. to 11h. 51m.	
8	B	Overcast; no rain.	
8	C	Overcast; rain from 1h. 16m. to 1h. 22m.	
8	C	Overcast; drops of rain between 2h. 15m. to 2h. 26m.	
8	C	≋ scattered about moving ENE.	
8	C	Overcast; rain from 4h. 0m. to 4h. 9m.	
8	G	Overcast; no rain.	
8	G	≋ scattered about moving E; rain from 6h. 44m. to 6h. 51m.	
8	G	Overcast; a passing shower of rain at 7h. 31m.	
8	G	Overcast; a passing shower of rain at 8h. 5m.	
8	G	Overcast; no rain.	
8	G	Overcast; light rain from 10h. 40m. to 10h. 53m.	
8	G	Overcast; light rain from 11h. 50m. to 11h. 58m.	
8	B	Overcast with ≋ moving ENE; drops of rain fell between 0h. 39m. and 0h. 52m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°5. Daily fall of rain by Osler's Gauge 0·52 in. 17th August was the 66th rainy day.
8	G	Overcast; light rain from 1h. 32m. to 1h. 49m.	
8	G	Overcast; a few drops of rain fell from 2h. 11m. to 2h. 22m.	
8	G	Overcast; no rain.	
8	G	" "	
8	C	" "	
8	C	Overcast; drops of rain fell from 6h. 44m. to 6h. 49m.	
8	C	Overcast; a few drops of rain fell at 7h. 4m.	
8	C	Overcast; no rain.	
7	B	≋ scattered about moving ENE.	
8	B	Overcast; a few drops of rain fell at 10h. 58m.	
8	B	Overcast; rain fell from 11h. 12m. to 11h. 30m.	
8	B	Overcast with ≋ moving E.	
8	G	Overcast; rain fell from 1h. 7m. to 1h. 27m.	
8	G	Overcast; a few drops of rain fell at 2h. 0m.	
7	G	Densely clouded with ≋ moving ENE.	
8	G	Overcast with ≋ moving E.	
8	C	" " "	
7	C	≋ scattered throughout moving E; rain fell from 6h. 44m. to 6h. 51m.	
8	C	Overcast; a passing shower of rain at 7h. 31m.	
8	C	Overcast; a passing shower of rain at 8h. 5m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 10h. 40m. to 10h. 53m.	
8	B	Overcast; light rain from 11h. 50m. to 11h. 58m.	
8	B	Overcast with ≋ moving ENE; drops of rain fell from 0h. 42m. to 0h. 54m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°5. Daily fall of rain by Osler's Gauge 0·22 in. 18th August was the 67th rainy day.
8	G	Overcast; a few drops of rain fell at 1h. 59m.	
7	G	≋ scattered about moving ENE.	
7	G	Densely clouded; rain fell from 3h. 32m. to 3h. 41m.	
8	C	Overcast with ≋ moving ENE.	
8	C	" " "	
8	C	Overcast with ≋ moving E.	
8	C	Overcast; light rain fell from 7h. 49m. to 7h. 52m.	
8	C	Overcast; a passing shower of rain at 8h. 6m.	
7	B	≋ scattered about moving E.	
8	B	Overcast with ≋ moving ENE.	
8	B	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 18th-Noon.	29.685	28.797	82°6	78°0	4°6	76°2	0.888	0.82	81°0	80°7	WSW	0.4					
1 p. m.	.672	.764	82.8	78.5	4.3	76.9	.908	.83	81.2	80.7	,,	0.5					
2 ,,	.667	.758	81.5	78.2	3.3	76.9	.909	.87	81.0	80.8	,,	0.3					
3 ,,	.648	.795	80.6	76.5	4.1	75·0	.853	.84	80.0	80.8	W	0.2					
4 ,,	.635	.769	81.0	77.0	4.0	75·4	.866	.84	80.5	80.8	WSW	0·2					
5 ,,	.643	.792	79.6	76.2	3.4	74.9	.851	.86	80.0	80.8	SW b W	0.4		None.	None.	None.	None.
6 ,,	.651	.783	78.7	76.4	2.3	75.5	.868	.90	79.7	80.8	WSW	0.6					
7 ,,	.662	.802	78.0	76.0	2.0	75.2	·860	.92	79.3	80.9	SW b W	0.6	0.02				
8 ,,	.684	.817	78.4	76.3	2.1	75 5	.867	.91	79.0	80.8	SW b S	0.5					
9 ,,	.699	.845	78.5	76.0	2.5	75.0	.854	.90	79.0	80.7	SW	0 5					
10 ,,	.701	.878	77.8	75.0	2.8	73.8	.823	.88	78.8	80·6	WSW	0.6					
11 ,,	.698	.840	78.2	76.0	2.2	75.1	.858	.91	78.9	80.6	SW	0.6					
Aug. 19th-Midnight	.688	.830	78.2	76.0	2.2	75.1	.858	.91	78.9	80.6	SW	0.7	0·03				
1 a. m.	.674	.809	76.8	75.8	1.0	75.4	.865	.96	78.5	80.6	WSW	0.7	0.17				
2 ,,	.668	.797	77.0	76·0	1.0	75.6	.871	.96	78.5	80.5	SW	0.6					
3 ,,	.666	.795	77.0	76.0	1.0	75.6	.871	.96	78.5	80.5	SW b W	0.7	0.05				
4 ,,	.667	·815	76.6	75.4	1.2	74.9	.852	.95	78.4	80·5	W	0.6	0.02				
5 ,,	.674	.831	76.4	75.1	1.3	74.6	.843	.94	78.0	80.4	WSW	0.9	0.01				
6 ,,	.690	.836	76.4	75.4	1.0	75.0	.854	.96	77.8	80.3	,,	0.3	0.02				
7 ,,	.703	.827	77·3	76.2	1.1	75.8	.876	.95	77.8	80.2	SW	0.7	0.04				
8 ,,	.726	·847	78.0	76.5	°1·5	75.9	.879	.94	78.0	80.3	,,	0.6					
9 ,,	.738	.852	79.2	77.0	2.2	76.1	.886	.91	78.8	80.2	,,	0.5					
10 ,,	.738	.920	78.3	75.0	3.3	73.7	.818	.86	78.6	80.2	WSW	0.3	0.07				
11 ,,	.735	.840	82.0	78.0	4.0	76.5	.895	.84	80.2	80.3	,,	0.4					
Noon.	731	.836	82.0	78.0	4.0	76.5	.895	.84	80.5	80.5	SW b W	·0.3		None.	None.	None.	None.
1 p. m.	.710	.808	81.4	78.0	3.4	76.7	.902	.86	80.0	80.5	SW	0.6	0.15				
2 ,,	.700	.807	80.4	77.5	2.9	76.4	.893	.88	80.0	80.5	,,	0.5	0.03				
3 ,,	.694	.840	78.5	76.0	2.5	75.0	.854	.90	80.0	80.4	WSW	0.4	0.02				
4 ,,	.692	·832	78.0	76.0	2.0	75.2	.860	.92	79.2	80.4	,,	0.3	0.07				
5 ,,	.695	.838	76.5	75.5	1.0	75.1	.857	.96	79.0	80.4	W b S	0.5	0.06				
6 ,,	.703	.878	76.2	74.6	1.6	73.9	.825	.93	78.3	80.5	,,	0.6	0.01				
7 ,,	.717	.890	75.4	74.0	1.4	74.0	·827	.96	77.9	80.5	WSW	0.5					
8 ,,	.738	.870	77.3	76.0	1.3	75.5	·868	.94	77.8	80.5	SW b W	0.3					
9 ,,	.747	.902	76.6	75.2	1.4	74.7	.845	.94	77.6	80.4	,,	0.5	0.11				
10 ,,	.757	.933	76.0	74.5	1.5	73.9	.824	.94	77.6	80.3	SW	0.2					
11 ,,	.754	.924	77.2	75.0	2.2	74.1	.830	.91	78.0	80.3	,,	0.1					
Aug. 20th-Midnight	.742	.878	77.6	76.0	1.6	75.4	.864	.93	78.0	80.2	SW	0.2					
1 a. m.	.728	.830	77.3	76.8	0.5	76.6	.898	.98	78.0	80.2	,,	0.4					
2 ,,	.716	.845	77.0	76.0	1.0	75.6	.871	.96	78.0	80.1	,,	0.4					
3 ,,	.704	.833	77·0	76.0	1.0	75.6	.871	.96	78.0	80.0	,,	0.2					
4 ,,	.702	.848	76.8	75.5	1.3	75.0	.854	·94	78.0	80.0	WSW	0.3					
5 ,,	.706	.835	77.0	76.0	1.0	75.6	.871	.96	78.0	80 0	SW	0.3					
6 ,,	.726	.853	77.6	76.2	1.4	75.7	.873	.94	78.0	80.0	WSW	0.6					
7 ,,	.754	.883	77.6	76.0	1.0	75.6	.871	.96	77·6	80.0	,,	0.4	0.02				
8 ,,	.777	.908	78.6	76·4	2 2	75.5	.869	.91	78 2	80.1	,,	0.3					
9 ,,	.792	.954	78.6	75 6	3 0	74.4	.838	.88	78.5	80 1	,,	0.5	0.01				
10 ,,	.798	.927	80.5	77.0	3.5	75.6	.871	.86	79.5	80.1	W	0.2	0.04				
11 ,,	.794	.902	82.3	78.0	4.3	76.4	.892	.83	80.5	80 2	WSW	0.3		None.	None.	None.	None.
Noon.	.780	·838	83·5	79.5	4.0	78.1	.942	.84	81.2	80.5	,,	0.2					
1 p. m.	.757	.798	83.8	80 0	3.8	78 6	.959	.85	81.5	80.5	,,	0.4					
2 ,,	.748	.840	82.8	78.5	4·3	76.9	.908	.83	81.1	80.6	W	0.3					
3 ,,	.737	.883	78.5	76·0	2 5	75.0	.854	.90	79.0	80.6	WNW	0.3	0 05				
4 ,,	.737	.843	80·6	77.6	3 0	76.4	.894	.88	79.9	80 6	SW b W	0.2	0.03				
5 ,,	.739	.871	79.8	76.7	3.1	75.5	.868	.87	79.6	80.6	WSW	0.4					
6 ,,	.745	.859	79.2	77.0	2.2	76.1	.886	.91	79.4	80.6	,,	0.3					
7 ,,	.763	.898	78.3	76.2	2.1	75.4	.865	.91	79·0	80.7	,,	0.3					
8 ,,	.780	.920	78.0	76·0	2.0	75.2	.860	.92	78.8	80.7	,,	0.3					
9 ,,	.791	.924	77·4	76.0	1.4	75.5	.867	.94	78.6	80.6	SW b W	0.2	0.03				
10 ,,	.799	.930	77.2	76.0	1.2	75.5	.869	.95	78.5	80.6	WSW	0.1					
11 ,,	.793	.926	77.4	76·0	1.4	75·5	.867	.94	78.5	80.6	,,	0 2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩⌣ nimbi.	
8	B	Overcast with ≀∩⌣ moving ENE.	
7	G	≀∩⌣ scattered about moving E.	
8	G	Overcast; a few drops of rain fell at 2h. 58m.	
8	G	Overcast; no rain.	
8	G	Overcast; a passing shower of rain at 4h. 56m.	
8	C	Overcast; a passing shower of rain at 5h. 0m.	
8	C	Overcast; light rain fell between 6h. 16m. and 6h. 20m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	Overcast; a few drops of rain fell at 9h. 50m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain fell between 11h. 45m. and 11h. 56m.	
8	B	Overcast with ≀∩⌣ moving ENE; rain fell from 0h. 29m. to 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°5. Daily fall of rain by Osler's Gauge 0.72 in. 19th August was the 68th rainy day.
8	G	Overcast; a few drops of rain fell at 1h. 32m.	
8	G	Overcast; drops of rain fell between 2h. 11m. and 2h. 24m.	
8	G	Overcast; rain fell between 3h. 40m. and 3h. 48m.	
8	G	Overcast; drops of rain fell from 4h. 12m. to 4h. 36m.	
8	C	Overcast; rain fell from 5h. 19m. to 5h. 24m.	
8	C	Overcast; rain fell from 6h. 17m. to 6h. 31m.	
8	C	Overcast; no rain.	
8	C	" "	
8	B	Overcast; light rain commenced at 9h. 53m.	
8	B	Overcast; rain ceased at 10h. 9m.	
8	B	Overcast; no rain.	
8	B	Overcast; light rain from 12h. 12m. to 12h. 20m. and from 12h. 39m. to 12h. 50m.	
8	G	Overcast; drops of rain fell from 1h. 30m. to 1h. 43m.	
8	G	Overcast; drops of rain fell between 2h. 21m. and 2h. 32m.	
8	G	Overcast; drops of rain fell between 3h. 50m. and 3h. 60m.	
8	G	Overcast; rain commenced at 4h. 38m.	
8	C	Overcast; raining.	
8	C	Overcast; rain ceased at 6h. 10m.	
8	C	Overcast; no rain.	
6	C	≀∩⌣ scattered about moving E; rain fell from 8h. 20m. to 8h. 32m.	
5	B	≀∩⌣ scattered about moving E.	
8	B	Overcast with ≀∩⌣ moving E.	
8	B	" " "	
8	B	Overcast with ≀∩⌣ moving E; drops of rain fell from 0h. 29m. to 0h. 41m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 83°6. Daily fall of rain by Osler's Gauge 0.18 in. 20th August was the 69th rainy day.
8	G	Overcast; drops of rain fell from 1h. 18m. to 1h. 20m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain at 4h. 0m.	
8	C	Overcast; no rain.	
8	C	Overcast; rain fell from 6h. 8m. to 6h. 26m.	
8	C	Overcast; rain fell between 7h. 2m. and 7h. 8m.	
8	C	Overcast; rain commenced at 8h. 59m.	
8	B	Overcast; rain ceased at 9h. 4m.	
8	B	Overcast; a few drops of rain at 10h. 9m.	
8	B	Overcast; no rain.	
5	B	≀∩⌣ scattered about moving E.	
7	G	" " "	
8	G	Overcast; drops of rain now and then.	
8	G	Overcast; drops of rain fell from 3h. 0m. to 3h. 18m.	
8	G	Overcast; a passing shower of rain at 4h. 58m.	
8	C	Overcast; drizzling rain from 5h. 57m. to 5h. 59m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	Overcast; rain fell between 8h. 35m. and 8h. 55m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 21st-Midnight	29.771	28.906	77°5	76°0	1°5	75°4	0·865	0·94	78°5	80°5	WSW	0.5					
1 a. m.	.757	.879	77·4	76.3	1.1	75.9	.878	.95	78.3	80.4	„	0.6					
2 „	.746	.878	77.3	76.0	1.3	75.5	.868	.94	78.0	80.3	„	0.5	0.03				
3 „	.742	.874	77.3	76.0	1.3	75.5	.868	.94	78.0	80.3	„	0.3	0.01				
4 „	.744	.873	77.0	76.0	1.0	75.6	.871	.96	78.0	80.3	„	0.2					
5 „	.756	.885	77.0	76.0	1.0	75.6	.871	.96	78.0	80.3	„	0.2	0.01				
6 „	.765	.894	77.0	76.0	1.0	75.6	.871	.96	78.0	80.2	„	0.1	0.04				
7 „	.793	.924	77.2	76.0	1.2	75.5	.869	.95	78.0	80.2	„	0.4					
8 „	.812	.945	78.4	76.3	2.1	75.5	.867	.91	78.3	80.3	„	0.2					
9 „	.837	.958	79.6	77.0	2.6	75.9	.879	.89	79.6	80.3	„	0.2					
10 „	.834	.919	81.3	78.3	3.0	77.2	.915	.88	80.3	80.3	„	0.3					
11 „	.826	.950	82.8	78.8	4.0	75.8	.876	.84	80·9	80.5	W b S	0.2		None.	None.	None.	None.
Noon.	.817	.929	82.6	78.0	4.6	76 2	.888	.82	80.9	80.5	WSW	0.2					
1 p. m.	.795	.857	83.4	79.4	4.0	77.9	.938	.84	81.4	80.6	SW b W	0.2					
2 „	.776	.861	84.0	79.0	5.0	77.2	.915	.81	81.8	80.6	SW	0.3					
3 „	.768	.857	84.4	79.0	5.4	77.0	.911	.79	81.8	80.7	WSW	0.2					
4 „	.756	.864	82.3	78.0	4.3	76.4	.892	.83	80.7	80.8	SW	0.2					
5 „	.765	.915	80·7	76.5	4.2	74.8	.850	.83	80.5	80.8	WSW	0.2					
6 „	.768	.905	79.5	76.5	3.0	75.3	.863	.88	80.0	80.9	„	0.1	0.02				
7 „	.779	.916	78.5	76.2	2.3	75.3	.863	.90	79.4	81.0	„	0.2					
8 „	.788	.924	78.4	76.2	2.2	75.4	.864	.91	79.0	81.0	W b S	0.3					
9 „	.798	.940	78.2	76.0	2.2	75.1	.858	.91	78.9	80.9	WSW	0.2					
10 „	.802	.964	78.2	75.5	2.7	74.4	.838	.89	78.9	80.9	SW b W	0.4					
11 „	.796	.973	77.8	75.0	2.8	73.9	.823	.88	78.9	80.8	„	0.2					
Aug. 22nd-Midnight	.769	.923	77.5	75.5	2.0	74.7	.846	.92	78.5	80.6	SW	0.4					
1 a. m.	.744	.886	78.2	76.0	2.2	75·1	.858	.91	78.6	80.6	WSW	0.5					
2 „	.724	.864	78.0	76.0	2.0	75.2	.860	.92	78.5	80.6	SW	0.4	0.04				
3 „	.716	.873	76.4	75 1	1.3	74.6	.843	.94	78·0	80.5	WSW	0.3	0.15				
4 „	.716	.884	77.0	75·0	2.0	74.2	.832	.92	78.0	80.5	„	0.4					
5 „	.718	.847	77.0	76.0	1.0	75.6	.871	.96	77.8	80.4	„	0.5	0.03				
6 „	.732	.863	77.2	76.0	1.2	75.5	.869	.95	78.0	80.4	W b S	0.4					
7 „	.751	.932	76.5	74.5	2.0	73.7	.819	.91	77.8	80·3	W	0.7	0.02				
8 „	.765	.909	78.4	76.0	2.4	75.1	.856	.90	78.0	80.4	WSW	0.5					
9 „	.780	.897	80.2	77.2	3.0	76.0	.883	.88	79.2	80.4	„	0.5					
10 „	.780	.892	81.1	77.6	3.5	76.2	.888	.86	80.0	80.4	„	0.4					
11 „	.776	.872	82.3	77.3	5.0	76.8	.904	.84	80.8	80.5	„	0.3		None.	None.	None.	None.
Noon.	.759	.875	83.0	78.0	5.0	76.1	.884	.80	81.1	80.6	„	0.2					
1 p. m.	.712	.841	84.2	78.0	6.2	75.6	.871	.76	81.5	80.6	W b S	0.3					
2 „	.709	.836	84.0	78.0	6.0	75.7	.873	.77	81.2	80.8	„	0.4					
3 „	.706	.797	81.5	78.2	3.3	76.9	.909	.87	81.0	80.8	WSW	0.5					
4 „	.700	.821	81.7	77.5	4.2	75.9	.879	.83	81.0	80.8	W b S	0.5					
5 „	.719	.867	80.5	76.5	4.0	74.9	.852	.84	80.2	80.8	SW b W	0.3					
6 „	.728	.880	79.5	76.1	3.4	74.8	.848	.86	80.0	80.8	„	0.4					
7 „	.730	.880	78.4	76.0	2.4	75.1	.856	.90	79.2	80.7	SW	0.3	0.02				
8 „	.749	.891	78.2	76.0	2.2	75.1	.858	.91	79.0	80.7	SW b W	0·4					
9 „	.753	.900	78.6	76.0	2.6	75.0	.853	.89	79.1	80.7	„	0.3					
10 „	.755	.920	78.5	75.5	3.0	74.3	.835	.87	79.1	80.6	„	0.2					
11 „	.747	.912	78.5	76.5	3.0	74.3	.835	.87	79.0	80.6	SW	0.3					
Aug. 24th-Midnight	.724	.864	78.0	76.0	2.0	75.2	.860	.92	78.7	80.6	SW	0.6					
1 a. m.	.714	.850	77.6	76.0	1.6	75.4	.864	.93	78·0	80.6	„	0.4					
2 „	.707	.853	76.8	75.5	1.3	75.0	.854	.94	77.5	80.5	WSW	0.6					
3 „	.696	.887	76.7	74.3	2.4	73.3	.809	.90	77.5	80·5	SW	0.5					
4 „	.691	.848	76.0	75.0	1.0	74.6	.843	.96	76.5	80.4	SW b W	0·5	0.15				
5 „	.707	.838	77.2	76.0	1.2	75.5	.869	.95	77.0	80.4	SW b S	0.5					
6 „	.726	.869	77.2	75.7	1.5	75.1	.857	.94	77.0	80.3	SSW	0.7		None.	None.	None.	None.
7 „	.758	.920	77.2	75.2	2.0	74.4	.838	.91	77·0	80.3	„	0.7					
8 „	.779	.898	79.6	77.0	2.6	76.0	.881	.89	78.0	80.4	S b W	0.4					
9 „	.792	.911	79.6	77.0	2.6	76.0	.881	.89	78.5	80.4	SW	0.5					
10 „	.800	.937	81.3	77.0	4.3	75.3	.863	.83	80.0	80.4	SSW	0.5					
11 „	.791	.896	82.0	78.0	4.0	76.5	.895	.84	80.5	80.5	„	0.6					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≈ cirro-cumuli; ≈ cumuli; ≈ cirro-strati; ≈ cumulo-strati; and ≈ nimbi.	
8	B	Overcast with ≈ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 83°6. Daily fall of rain by Osler's Gauge 0·11 in. 21st August was the 70th rainy day.
8	G	Overcast; drops of rain between 1h. 29m. to 1h. 47m.	
8	G	Overcast; no rain.	
6	G	≈ scattered about moving E.	
8	G	Overcast; rain fell between 4h. 33m. to 4h. 45m.	
8	C	Overcast; rain fell from 5h. 32m. to 5h. 45m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; rain commenced at 4h. 56m.	
8	C	Overcast; rain ceased at 5h. 13m.	
8	C	Overcast; rain fell between 6h. 0m. and 6h. 5m.	
8	C	Overcast; no rain.	
6	C	≈ scattered about moving E.	
8	B	Overcast with ≈ moving E.	
8	B	Overcast; a few drops of rain fell at 10h. 55m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≈ moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 83°1. Daily fall of rain by Osler's Gauge 0·18 in. 22nd August was the 71st rainy day.
8	G	Overcast; rain fell between 1h. 41m. and 1h. 58m.	
8	G	Overcast; rain fell from 2h. 11m. to 2h. 22m. and from 2h. 39m. to 2h. 52m.	
8	G	Overcast; a few drops of rain fell at 3h. 00m.	
8	G	Overcast; rain fell from 4h. 33m. to 4h. 49m.	
8	C	Overcast; no rain.	
8	C	Overcast; light rain now and then.	
8	C	Overcast; rain from 7h. 0m. to 7h. 9m.	
8	C	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	Overcast with ≈ moving E.	
8	B	" "	
7	G	Densely clouded with ≈ and ≈.	
8	G	Overcast with ≈ moving E.	
8	G	" "	
8	G	" "	
8	B	Overcast with ≈ moving ENE.	
7	B	≈ scattered about moving ENE; a passing shower of rain at 6h. 15m.	
8	B	Overcast with ≈ moving ENE.	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	" "	
8	B	Overcast with ≈ moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°5. Daily fall of rain by Osler's Gauge 0·19 in. 24th August was the 72nd rainy day.
8	G	" "	
8	G	Overcast; a few drops of rain fell at 2h. 0m.	
8	G	Overcast; a shower of rain at 3h. 22m. which lasted 19m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
7	B	≈ scattered about moving E.	
8	B	Overcast with ≈ moving ENE.	
8	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 24th-Noon.	29.786	28.911	82°7	77°7	5°0	75°3	0.875	0.80	80°9	80°6	,,	0.3					
1 p. m.	.773	.889	83.0	78.0	5.0	76.1	.884	.80	81.0	80.6	SW b W	0.4					
2 ,,	.765	.890	83.8	78.0	5.8	75.8	.875	.78	81.5	80.7	WSW	0.5					
3 ,,	.756	.820	82.8	79.2	3.6	77.9	.936	.86	81.0	80.8	W b S	0.4					
4 ,,	.752	.815	82.0	79.0	3.0	77.9	.937	.88	81.0	80.8	WSW	0.3					
5 ,,	.762	.963	80.0	75.0	5.0	73.0	.799	.80	80.2	80.9	,,	0.4	0.04				
6 ,,	.770	.928	78.2	75.6	2.6	74.6	.842	.89	79.0	81.0	,,	0.3		None.	None.	None.	None.
7 ,,	.778	.924	78.5	76.0	2.5	75.0	.854	.90	79.0	81.1	W b S	0.3					
8 ,,	.790	.936	78.5	76.0	2.5	75.0	.854	.90	79.0	81.0	,,	0.2					
9 ,,	.797	.920	78.6	76.6	2.0	75.8	.877	.92	79.0	80.9	SW b W	0.4					
10 ,,	.803	.943	78.0	76.0	2.0	75.2	.860	.92	78.6	80.8	W b S	0.3	0.02				
11 ,,	.798	.964	78.2	75.4	2.8	74.3	.834	.88	78.8	80.8	,,	0.4					
Aug. 25th-Midnight	.788	.928	78.0	76.0	2.0	75.2	.860	.92	78.9	80.7	W	0.2					
1 a. m.	.780	.909	78.8	76.5	2.3	75.6	.871	.90	79.0	80.7	,,	0.3					
2 ,,	.762	.889	78.6	76.5	2.1	75.7	.873	.91	79.0	80.6	W b N	0.3					
3 ,,	.762	.902	78.0	76.0	2.0	75.2	.860	.92	78.6	80.6	WNW	0.1					
4 ,,	.762	.889	77.8	76.3	1.5	75.7	.873	.94	78.0	80.5	W b N	0.2					
5 ,,	.771	.911	78.0	76.0	2.0	75.2	.860	.92	78.0	80.5	W	0.2					
6 ,,	.785	.923	78.2	76.1	2.1	75.3	.862	.91	78.0	80.4	,,	0.4					
7 ,,	.808	.940	78.3	76.3	2.0	75.5	.868	.92	78.2	80.4	WNW	0.3					
8 ,,	.828	.969	79.5	76.4	3.1	75.2	.859	.87	79.0	80.5	NW b W	0.4					
9 ,,	.844	29.010	80.4	76.0	4.4	74.3	.834	.82	79.6	80.5	NNW	0.3					
10 ,,	.846	28.991	82.0	77.0	5.0	75.0	.855	.80	80.5	80.6	,,	0.2					
11 ,,	.833	.972	83.6	77.6	6.0	75.2	.861	.77	81.3	80.7	,,	0.3					
Noon.	.824	.955	84.4	78.0	6.4	75.5	.869	.76	82.0	80.8	,,	0.3	None.	None.	None.	None.	None.
1 p. m.	.797	.908	84.5	78.5	6.0	76.3	.889	.77	82.0	80.8	WSW	0.2					
2 ,,	.785	.896	84.5	78.5	6.0	76.3	.889	.77	82.0	80.9	,,	0.2					
3 ,,	.777	.904	84.0	78.0	6.0	75.7	.873	.77	82.0	81.0	,,	0.1					
4 ,,	.766	.858	82.8	78.5	4.3	76.9	.908	.83	81.5	81.0	W b S	0.2					
5 ,,	.772	.917	82.0	77.0	5.0	75.0	.855	.80	81.1	81.1	WNW	0.2					
6 ,,	.777	.909	80.8	77.0	3.8	75.5	.868	.85	80.6	81.3	NW	0.2					
7 ,,	.784	.917	80.2	76.8	3.4	75.5	.867	.86	80.4	81.3	NE	0.2					
8 ,,	.794	.933	79.7	76.5	3.2	75.2	.861	.87	80.1	81.2	ESE	0.3					
9 ,,	.796	.981	78.5	75.0	3.5	73.5	.815	.86	79.3	81.2	SE	0.2					
10 ,,	.796	.948	79.1	76.0	3.1	74.8	.848	.87	79.4	81.2	,,	0.1					
11 ,,	.792	.943	79.0	76.0	3.0	74.8	.849	.88	79.4	81.2	SES	0.1					
Aug. 26th-Midnight	.782	.939	78.8	75.8	3.0	74.6	.843	.88	79.4	81.1	SSE	0.2					
1 a. m.	.768	.901	78.4	76.3	2.1	75.5	.867	.91	79.0	81.0	W b N	0.3					
2 ,,	.756	.898	78.2	76.0	2.2	75.1	.858	.91	78.5	81.0	,,	0.4					
3 ,,	.753	.893	78.0	76.0	2.0	75.2	.860	.92	78.0	80.9	,,	0.3					
4 ,,	.753	.893	78.0	76.0	2.0	75.2	.860	.92	78.0	80.8	,,	0.2					
5 ,,	.762	.902	78.0	76.0	2.0	75.2	.860	.92	78.0	80.8	W	0.2					
6 ,,	.774	.931	77.8	75.5	2.3	74.6	.843	.90	78.0	80.7	W b S	0.2					
7 ,,	.796	.952	78.4	75.7	2.7	74.6	.844	.89	78.4	80.7	,,	0.3					
8 ,,	.821	.962	79.5	76.4	3.1	75.2	.859	.87	79.0	80.7	,,	0.1					
9 ,,	.833	.975	81.7	77.0	4.7	75.1	.858	.81	80.0	80.7	,,	0.2					
10 ,,	.833	.956	83.6	78.0	5.6	75.8	.877	.78	81.0	80.8	W b N	0.2					
11 ,,	.825	.954	82.4	77.5	4.9	75.6	.871	.81	80.6	80.8	W	0.1	0.07				
Noon.	.804	.904	83.5	78.5	5.0	76.6	.900	.81	81.4	80.9	W b N	0.1		None.	None.	None.	None.
1 p. m.	.773	.858	84.0	79.0	5.0	77.2	.915	.81	81.5	81.0	,,	0.3					
2 ,,	.747	.860	84.2	78.4	5.8	76.2	.887	.78	81.5	81.0	WNW	0.2					
3 ,,	.730	.843	84.2	78.4	5.8	76.2	.887	.78	81.5	81.1	,,	0.2					
4 ,,	.721	.877	84.5	77.4	7.1	74.6	.844	.73	81.6	81.2	,,	0.2					
5 ,,	.724	.875	84.0	77.4	6.6	74.8	.849	.75	81.3	81.3	,,	0.1					
6 ,,	.736	.887	81.5	76.7	4.8	74.8	.849	.81	81.0	81.4	,,	0.2					
7 ,,	.746	.898	79.8	76.2	3.6	74.8	.848	.85	80.6	81.4	W b N	0.2					
8 ,,	.758	.917	79.0	75.8	3.2	74.5	.841	.87	80.0	81.3	WNW	0.3					
9 ,,	.778	.929	79.0	76.0	3.0	74.8	.849	.88	79.8	81.2	NW	0.2					
10 ,,	.783	.934	79.0	76.0	3.0	74.8	.849	.88	79.6	81.2	NW b N	0.2					
11 ,,	.775	.941	78.6	75.5	3.1	74.3	.834	.87	79.4	81.1	NW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀≀ nimbi.	Remarks.
8	B	Overcast with ≀≀≀ moving ENE.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; rain fell from 4h. 51m. to 5h. 0m.	
8	C	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	Overcast; a shower of rain at 9h. 30m. which lasted 3m.	
8	B	Overcast; a few drops of rain fell at 10h. 52m.	
8	B	Overcast; no rain.	
8	B	Overcast with ≀≀≀ moving ENE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°5. The corrected reading of Barometer at 10 A.M. was 29·846 in. greatest during the month and about 0·058 in. greater than the Normal Mean. 25th August was the 73rd rainy day.
8	G	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀≀ moving E.	
8	C	" "	
8	B	" "	
8	B	" "	
5	B	≀≀≀ scattered about moving E.	
6	B	" "	
7	G	" "	
7	G	" "	
7	G	" "	
8	G	Overcast with ≀≀≀ moving E.	
8	C	" "	
8	C	" "	
8	C	" "	
7	C	Densely clouded with ≀≀≀ moving E.	
8	B	Overcast with ≀≀≀ moving E.	
8	B	" "	
8	B	" "	
8	B	Overcast with ≀≀≀ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°5. Daily fall of rain by Osler's Gauge 0·11 in. 26th August was the 74th rainy day and the 28th day on which the direction of wind was abnormal.
7	G	≀≀≀ scattered about moving E.	
7	G	" "	
7	G	" "	
6	G	" "	
7	C	" "	
6	C	≀≀≀ and ≀ scattered about moving E.	
6	C	" "	
5	C	≀≀≀ and ≀ scattered about, the former moving E.	
4	B	≀≀≀ scattered about hor., moving ESE.	
7	B	≀≀≀ scattered about moving E; light rain from 10h. 15m. to 10h. 30m.	
5	B	≀≀≀ scattered about moving E; no rain.	
5	B	" "	
5	G	Clouded as before.	
5	G	" "	
5	G	" "	
5	G	" "	
6	C	≀≀≀ and ≀ scattered about, the former moving E.	
8	C	Clouded as before.	
5	C	" "	
5	C	" "	
4	C	" "	
6	C	" "	
5	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 28th-Midnight	29.778	28.961	79°8	75°4	4°4	73°6	0.817	0.82	80°1	81°3	NW b N	0.2					
1 a. m.	.759	.909	79.5	76.4	3.1	75.2	.859	.87	80.0	81.3	N b W	0.2					
2 „	.743	.902	79.0	75.8	3.2	74.5	.841	.87	79.7	81.2	NW	0.1					
3 „	.735	.864	78.8	76.5	2.3	75.6	.871	.90	79.5	81.2	NW b N	0.2					
4 „	.741	.870	78.8	76.5	2.3	75.6	.871	.90	79.5	81.2	„	0.1					
5 „	.753	.886	78.8	76.4	2.4	75.5	.867	.90	79.4	81.2	„	0.1					
6 „	.770	.947	76.8	74·7	2.1	73.8	.823	.91	78.0	81.0	N b W	0.2	0.16				
7 „	.799	.976	76.8	74.7	2.1	73.8	.823	.91	78.0	80.9	NW b N	0.4					
8 „	.820	29.004	76.4	74.4	2.0	73.6	.816	.91	77.7	80.7	„	0.2	0.49				
9 „	.834	.002	77.0	75.0	2.0	74.2	.832	.91	78.0	80.7	W b N	0.0	0 22				
10 „	.831	28.995	76.6	75.0	1.6	74·3	.836	.94	77·6	80.6	N	0.1	0.15				
11 „	.808	.948	78.7	76.2	2.5	75.2	.860	·90	78.5	80.6	„	0.1	0·01				
Noon.	.790	.914	80.1	77.0	3.1	75.8	.876	.87	79.5	80.7	N b W	0.1		None.	None.	None.	None.
1 p. m.	.771	.910	83.6	77.6	6.0	75.2	.861	.77	80.8	80.7	WNW	0.2					
2 „	.739	.890	81.5	76.7	4 8	74.8	.849	.81	80.5	80.8	„	0.2					
3 „	.729	.876	80.6	76.5	4.1	75.0	.853	.84	80.0	80.8	W b N	0.2					
4 „	.722	.834	79.0	77.0	2.0	76.2	.888	.92	79.3	80.8	„	0.2					
5 „	.724	.879	79.4	76.0	3 4	74.7	.845	.86	79.3	80.8	WNW	0.2					
6 „	.745	.914	79.2	75.6	3.6	74.1	.831	.85	79.0	80.9	NW b W	0.3					
7 „	.757	.934	78.8	75.3	3.5	73.8	.823	.86	79.0	81.0	„	0.1					
8 „	.766	.934	78.8	75.5	3.3	74.2	.832	.86	79.0	81.0	W b N	0.2					
9 „	.778	.955	78.6	75.2	3.4	73.8	.823	.86	79.0	80·9	NNW	0.1					
10 „	.781	.927	78.5	76.0	2.5	75.0	.854	.90	78.9	80.8	NW b N	0.0					
11 „	.777	·919	78.2	76·0	2.2	75.1	.858	.91	78.9	80.7	WSW	0.0					
Aug. 29th-Midnight	.768	.934	77.6	75.2	2.4	74.3	.834	.90	78.6	80.7	SW	0.0					
1 a. m.	.753	.921	77.6	75.2	2.4	74.3	.834	.90	78.1	80.7	„	0.0					
2 „	.733	.899	77.6	75.2	2.4	74.3	.834	.90	78.0	80.7	SW b W	0.0					
3 „	.727	.869	77.4	75.8	1.6	75·1	.858	.93	78.0	80.6	„	0·1					
4 „	.731	.880	77.0	75.5	1.5	74.9	·851	.94	78.0	80.6	WSW	0.1					
5 „	.739	.905	76.8	75.0	1.8	74.3	.834	.92	78.0	80.6	„	0.0					
6 „	.755	.908	77.5	75.5	2.0	74.7	.847	.92	78.4	80.5	„	0.1					
7 „	.774	.901	77.8	76.3	1.5	75.7	.873	.94	78.5	80.4	SSE	0·1					
8 „	.788	.921	78.4	76.3	2.1	75.5	.867	.91	78.5	80.4	NW b W	0.1					
9 „	.796	.924	81.2	77.2	4.0	75.6	872	.84	79.5	80.5	N	0.1					
10 „	.794	.921	82.2	77.5	4.7	75.7	.873	.81	80.5	80.6	N b E	0.1					
11 „	.784	.878	83.7	78.7	5.0	76.8	.906	.81	81.3	80.6	N	0.1					
Noon.	.779	.906	84.0	78.0	6.0	75.7	.873	.77	81.3	80.8	NW b W	0.2		None.	None.	None.	None.
1 p. m.	.744	.855	84.5	78.5	6.0	76.3	.889	·77	82.0	80.8	WNW	0.2					
2 „	.728	.824	85.0	79.0	6.0	76.8	.904	.77	82.0	80.9	W b N	0.3					
3 „	.712	.862	84.6	77.6	7.0	74.8	.850	.74	82.0	81.1	WNW	0.4					
4 „	.711	.871	83.4	77.0	6.4	74.5	.840	·75	81.3	81.2	„	0.5	Less than one cent.				
5 „	.722	.916	82·9	76 0	6.9	73.2	·806	.74	81.1	81.2	NW b W	0.6					
6 „	.736	.909	81.0	76.0	5.0	74.0	.827	.80	80.6	81.2	WNW	0.6					
7 „	.748	.910	80.0	76.0	4.0	74.4	.838	.84	80.0	81.2	NW b W	0 6					
8 „	.772	.911	79.7	76.5	3.2	75.2	.861	.87	79.8	81.2	NW	0.4					
9 „	.786	.920	79.2	76.5	2.7	75.4	.866	.89	79.5	81.1	NNW	0.1					
10 „	.785	.929	78·4	76.0	2.4	75.1	.856	.90	79.2	81.0	„	0.1					
11 „	.777	.917	78.0	76.0	2.0	75.2	.860	.92	79.0	81.0	„	0.0					
Aug. 31st-Midnight	.766	.941	77.6	75.0	2.6	73.9	.825	.89	78 8	81.0	NNW	0.0					
1 a. m.	.741	.916	77.6	75.0	2·6	73·9	.825	.89	78.5	81.0	NW b N	0·2					
2 „	.718	.840	77.4	76·3	1.1	75.9	.878	.95	78.3	81.0	NW	0.2					
3 „	.715	.837	77.4	76.3	1.1	75.9	.878	.95	78.1	80.9	„	0.1					
4 „	.723	.845	77.4	76.3	1.1	75.9	.878	.95	78.0	80.8	WNW	0.2					
5 „	.733	·890	77.8	75.5	2.3	74.6	.843	.90	78.0	80·7	„	0.1	None.	None.	None.	None.	None.
6 „	.743	.898	77.6	75.5	2.1	74.7	.845	.91	78.0	80.6	W b N	0·1					
7 „	.762	.922	78.0	75.5	2.5	74.5	.840	.89	78·4	80.5	„	0.2					
8 „	.785	.938	79.2	76.0	3.2	74·7	.847	.87	78.6	80.5	WNW	0.3					
9 „	.788	.932	80.1	76.5	3.6	75.1	.856	.85	79.5	80.5	„	0.4					
10 „	.784	.929	82.0	77.0	5.0	75.0	.855	.80	80.4	80.6	„	0.2					
11 „	.774	.949	83.3	76.6	6.7	73.9	.825	.74	81.2	80.8	NW b W	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	
8	B	Overcast with Cu moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°4. Daily fall of rain by Osler's Gauge 1·09 in. 28th August was the 75th rainy day.
8	G	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	C	Overcast; rain fell between 5h. 33m. and 5h. 52m.	
8	C	Overcast; rain commenced at 6h. 58m.	
8	C	Overcast; raining.	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 10h. 12m.	
7	B	Overcast; rain from 11h. 0m. to 11h. 20m.	
7	G	Cu scattered about moving SE.	
8	G	" "	
8	G	Overcast with Cu moving SE.	
8	G	" "	
8	C	" "	
8	C	Overcast with Cu moving ESE.	
8	C	" "	
8	C	Overcast.	
8	B	"	
8	B	"	
8	B	"	
7	B	Cu scattered about moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°3. 29th August was the 29th day on which the wind blew abnormally; this was the 12th day on which the fall of rain was less than 0·01 inch.
8	G	Overcast with Cu moving SE.	
8	G	" "	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	Overcast with Cu moving E.	
8	G	Overcast; a few drops of rain fell at the time of observation.	
8	G	Overcast with Cu moving ESE.	
8	C	" "	
8	C	" "	
5	B	Cu, Cu and Ci scattered about the sky.	
7	B	Clouded as before.	
7	G	" "	
7	G	" "	
6	C	" "	
8	C	Overcast with Cu, Cu and Ci.	
5	B	Cu, Cu and Ci scattered about, the former moving ESE.	
7	B	Cu around hor.; Ci scattered throughout.	
7	G	" "	
8	G	Overcast with Cu moving ESE.	
8	C	" "	
8	C	Overcast; no rain.	
8	B	Overcast with Cu and Ci; a lunar-halo.	
8	B	Cu and Ci scattered throughout; a lunar-halo.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°3.
8	G	Cu scattered about the sky.	
8	G	" "	
7	G	Cu scattered about moving SE.	
7	G	" "	
8	C	Overcast with Cu and Cu, the former moving ESE.	
8	C	Overcast with Cu moving ESE.	
8	C	Overcast.	
8	C	"	
8	B	"	
8	B	"	
8	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Aug. 31st-Noon.	29.750	28.910	83°4	77°0	6°4	74°5	0.840	0.75	81°2	80°3	NW	0.2					
1 p. m.	.729	.842	84.2	78.4	5.8	76.2	.887	.78	81.5	80.9	NW b N	0.2					
2 „	.709	.822	84.2	78.4	5.8	76.2	.887	.78	81.5	81.0	NW	0.4					
3 „	.691	.807	83.0	78.0	5.0	76.1	.884	.80	81.2	81.1	„	0.3					
4 „	.688	.810	81.8	77.5	4.3	75.9	.878	.83	81.0	81.2	„	0.2					
5 „	.700	.847	80.6	76.5	4.1	75.0	.853	.84	80.3	81.2	„	0.1	None.	None.	None.	None.	None.
6 „	.710	.872	80.0	76.0	4.0	74.4	.838	.84	80.0	81.1	„	0.1					
7 „	.719	.860	79.5	76.4	3.1	75.2	.859	.87	79.8	81.0	NW b N	0.0					
8 „	.732	.866	79.2	76.5	2.7	75.4	.866	.89	79.1	81.0	„	0.1					
9 „	.741	.853	79.0	77.0	2.0	76.2	.888	.92	78.9	81.0	„	0.0					
10 „	.737	.884	78.6	76.0	2.6	75.0	.853	.89	78.1	81.0	„	0.1					
11 „	.736	.876	78.0	76.0	2.0	75.2	.860	.92	78.0	80.9	NNW	0.1					
Sept. 1st-Midnight	.731	.905	77.5	75.0	2.5	74.0	.826	.89	78.3	80.6	W	0.0					
1 a. m.	.713	.866	77.5	75.5	2.0	74.7	.847	.92	78.1	80.6	N b E	0.1					
2 „	.707	.849	77.4	75.8	1.6	75.1	.858	.93	78.1	80.6	N	0.2					
3 „	.689	.831	77.4	75.8	1.6	75.1	.858	.93	78.0	80.5	NE b N	0.1					
4 „	.689	.818	77.0	76.0	1.0	75.6	.871	.96	77.8	80.5	NE	0.1					
5 „	.701	.886	75.1	74.0	1.1	73.5	.815	.95	77.2	80.4	NNE	0.1	0.08				
6 „	.712	.896	75.0	74.0	1.0	73.6	.816	.96	77.0	80.3	ENE	0.1	0.04				
7 „	.739	.923	75.0	74.0	1.0	73.6	.816	.96	76.7	80.2	SSE	0.2					
8 „	.751	.906	76.6	75.2	1.4	74.7	.845	.94	77.0	80.1	„	0.1					
9 „	.754	.901	78.6	76.0	2.6	75.0	.853	.89	78.3	80.1	„	0.1					
10 „	.753	.915	80.0	76.0	4.0	74.4	.838	.84	79.1	80.2	„	0.2					
11 „	.743	.888	82.0	77.0	5.0	75.0	.855	.80	80.2	80.3	„	0.1					
Noon.	.729	.842	83.5	78.2	5.3	76.2	.887	.80	81.2	80.4	WSW	0.2		None.	None.	None.	None.
1 p. m.	.708	.824	83.0	78.0	5.0	76.0	.884	.80	81.0	80.4	NW	0.3					
2 „	.684	.816	79.8	76.7	3.1	75.5	.868	.87	79.2	80.4	NNW	0.2					
3 „	.668	.813	82.0	77.0	5.0	75.0	.855	.80	80.1	80.5	NW b W	0.2					
4 „	.657	.808	82.5	77.0	5.5	74.8	.849	.79	80.5	80.5	NW	0.1					
5 „	.660	.783	80.0	77.0	3.0	75.8	.877	.88	80.0	80.5	„	0.2					
6 „	.671	.800	78.8	76.5	2.3	75.6	.871	.90	79.6	80.5	NNW	0.2					
7 „	.690	.830	78.0	76.0	2.0	75.2	.860	.92	78.8	80.5	N	0.1	0.01				
8 „	.703	.825	77.4	76.3	1.1	75.9	.878	.95	78.0	80.4	„	0.0					
9 „	.735	.892	77.4	75.4	2.0	74.6	.843	.91	78.0	80.4	NW	0.1					
10 „	.735	.901	77.2	75.1	2.1	74.3	.834	.91	78.0	80.4	NW b W	0.1					
11 „	.723	.891	77.0	75.0	2.0	74.2	.832	.91	77.8	80.3	S b W	0.1					
Sept. 2nd-Midnight	.713	.881	77.0	75.0	2.0	74.2	.832	.91	77.8	80.3	S b W	0.2					
1 a. m	.692	.855	76.5	75.0	1.5	74.4	.837	.94	77.5	80.3	„	0.4					
2 „	.684	.860	76.0	74.5	1.5	73.9	.824	.93	77.4	80.3	„	0.5					
3 „	.674	.850	76.0	74.5	1.5	73.9	.824	.93	77.4	80.3	„	0.1					
4 „	.672	.865	75.8	74.0	1.8	73.2	.807	.92	77.1	80.2	„	0.1					
5 „	.684	.875	75.6	74.0	1.6	73.3	.809	.93	77.0	80.2	„	0.3					
6 „	.692	.876	76.4	74.4	2.0	73.6	.816	.91	76.5	80.1	„	0.2					
7 „	.723	.891	77.0	75.0	2.0	74.2	.832	.91	77.1	79.9	„	0.1					
8 „	.741	.909	78.8	75.5	3.3	74.2	.832	.86	78.5	79.9	„	0.3					
9 „	.749	.852	81.1	77.8	3.3	76.5	.897	.87	79.0	80.0	„	0.2					
10 „	.747	.850	82.2	78.1	4.1	76.5	.897	.84	80.1	80.1	„	0.2					
11 „	.739	.824	84.0	79.0	5.0	77.2	.915	.81	81.2	80.3	SW	0.1	None.	None.	None.	None.	None.
Noon.	.725	.847	83.5	78.0	5.5	75.9	.878	.79	81.3	80.4	SW b W	0.2					
1 p. m.	.703	.828	83.8	78.0	5.8	75.8	.875	.78	81.5	80.5	WNW	0.1					
2 „	.683	.834	82.6	77.0	5.6	74.8	.849	.78	81.1	80.6	„	0.1					
3 „	.667	.817	84.6	77.6	7.0	74.8	.850	.74	82.0	80.8	„	0.2					
4 „	.661	.851	82.5	76.0	6.5	73.3	.810	.75	81.6	80.8	NW b W	0.1					
5 „	.660	.788	81.2	77.2	4.0	75.6	.872	.84	80.5	80.8	„	0.2					
6 „	.680	.812	80.8	77.0	3.8	75.5	.868	.85	80.0	80.8	W	0.3					
7 „	.691	.846	79.4	76.0	3.4	74.7	.845	.86	79.8	80.9	NW b N	0.2					
8 „	.720	.849	78.8	76.5	2.3	75.6	.871	.90	79.0	80.8	NW b W	0.1					
9 „	.741	.881	78.0	76.0	2.0	75.2	.860	.92	78.6	80.7	„	0.1					
10 „	.739	.891	77.7	75.6	2.1	74.8	.848	.91	78.4	80.6	S	0.2					
11 „	.731	.893	77.2	75.2	2.0	74.4	.838	.91	78.3	80.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀⌣ nimbi.	
8	B	Overcast.	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
8	G	"	
7	G	≀≀ around hor. and ≀ scattered about.	
7	G	" "	
6	G	" "	
8	G	Overcast with ≀≀ moving ESE.	
8	G	" "	
8	B	Overcast with ≀≀ moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°6 and 83°2. Daily fall of rain by Osler's Gauge 0·13 in. 1st September was the 76th rainy day and the 30th day on which the wind blew abnormally.
8	G	" "	
7	G	≀≀ scattered throughout moving ESE.	
8	G	Overcast; a few stars visible about zenith.	
8	G	Overcast; rain from 4h. 31m. to 4h. 42m., and from 4h. 46m. to the end of this hour.	
8	C	Overcast; raining from the commencement of this hour.	
8	C	Overcast; raining.	
8	C	Overcast with ≀≀ moving ENE; rain ceased at 7h. 16m.	
8	C	Overcast with ≀≀ moving NE.	
8	B	Overcast with ≀≀ moving NNE.	
8	B	" "	
8	B	" "	
8	B	Overcast with ≀≀ moving NE.	
8	G	Overcast; a few drops of rain fell at 1h. 29m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain fell between 4h. 29m. and 4h. 31m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; a few drops of rain fell at 7h. 32m.	
6	G	≀≀ scattered about moving ENE; a few drops of rain fell at 8h. 57m.	
8	C	Overcast with ≀≀ moving ENE.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≀≀ moving NE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°5.
6	B	≀≀ and ≀ scattered about; a lunar-halo.	
7	B	" "	
7	B	" "	
7	B	" "	
8	G	≀≀ and ≀ scattered about, the former moving WNW.	
7	G	≀≀ around hor. and ≀ scattered about.	
5	G	≀≀ and ≀ scattered about.	
5	G	" "	
6	C	" "	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving N.	
8	C	" " "	
8	C	Overcast with ≀≀ and ≀≀, the former moving NNE.	
8	B	Overcast with ≀≀ moving ENE.	
8	B	" "	
7	B	≀≀ scattered about moving ENE.	
8	B	" "	
7	G	≀≀ and ≀ scattered about, the former moving ENE.	
6	G	Densely clouded with ≀≀, ≀≀ and ≀, the former moving ESE.	
5	G	≀≀ scattered about moving ESE.	
5	G	" "	
6	C	" "	
6	C	" "	
7	C	≀≀ scattered about moving ENE.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	On Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawser Volta 1.	Readings of Strawser Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Sept. 3rd-Midnight	29.714	28.882	77°0	75°0	2°0	74°2	0.832	0.91	78°1	80°4	S	0.2					
1 a. m.	.699	.863	76.6	75.0	1.6	74.3	.836	.93	77.8	80.4	„	0.0					
2 „	.689	.853	76.6	75.0	1.6	74.3	.836	.93	77.8	80.4	S b E	0.0					
3 „	.687	.851	76.6	75.0	1.6	74.3	.836	.93	77.7	80.4	„	0.2					
4 „	.691	.854	76.5	75.0	1.5	74.4	.837	.94	77.5	80.4	„	0.4					
5 „	.696	.859	76.5	75.0	1.5	74.4	.837	.94	77.3	80.3	„	0.3					
6 „	.722	.819	76.0	75.0	1.0	74.6	.843	.96	77.0	80.2	SSE	0.3					
7 „	.744	.890	76.8	75.5	1.3	75.0	.854	.94	77.5	80.2	„	0.2					
8 „	.755	.906	79.0	76.0	3.0	74.8	.849	.88	78.3	80.2	„	0.3					
9 „	.769	.869	81.5	78.0	3.5	76.6	.900	.86	79.1	80.3	„	0.2					
10 „	.762	.857	81.8	78.2	3.6	76.8	.905	.86	80.4	80.3	„	0.2					
11 „	.750	.846	82.7	78.4	4.3	76.8	.904	.83	81.0	80.4	„	0.1					
Noon.	.737	.858	80.2	77.1	3.1	75.9	.879	.87	80.4	80.4	WSW	0.1	0.04	None.	None.	None.	None.
1 p. m.	.718	.877	81.5	76.5	5.0	74.5	.841	.80	80.8	80.4	WNW	0.2					
2 „	.700	.879	81.5	76.0	5.5	73.8	.821	.78	80.8	80.4	„	0.2					
3 „	.681	.871	81.8	75.8	6.0	73.3	.810	.77	80.8	80.5	NW b W	0.1					
4 „	.675	.862	82.3	76.0	6.3	73.5	.813	.75	80.9	80.7	„	0.1					
5 „	.681	.868	82.3	76.0	6.3	73.5	.813	.75	80.5	80.8	„	0.2					
6 „	.694	.841	80.6	76.5	4.1	75.0	.853	.84	80.0	80.8	„	0.1					
7 „	.718	.834	80.0	77.9	3.0	75.8	.877	.88	80.0	80.7	„	0.2					
8 „	.738	.892	79.5	76.1	3.4	74.7	.846	.86	79.8	80.6	„	0.2					
9 „	.755	.944	79.3	75.1	4.2	73.4	811	.83	79.7	80.6	„	0.1					
10 „	.759	.920	79.2	75.8	3.4	74.4	.839	.86	79.4	80.6	„	0.1					
11 „	.747	.922	79.0	75.4	3.6	73.9	.825	.85	79.2	80.6	„	0.2					
Sept. 4th-Midnight	.740	.913	78.5	75.3	3.2	74.0	.827	.87	79.0	80.5	NW	0.1					
1 a. m.	.731	.905	78.3	75.2	3.1	74.0	.826	.87	79.0	80.5	W	0.0					
2 „	.718	.891	78.2	75.2	3.0	74.0	.827	.87	79.0	80.5	W b S	0.0					
3 „	.713	.886	78.2	75.2	3.0	74.0	.827	.87	79.0	80.5	WNW	0.1					
4 „	.712	.880	77.0	75.0	2.0	74.2	.832	.91	78.2	80.4	SW	0.0	0.15				
5 „	.733	.871	75.7	75.4	0.3	75.3	.862	.99	77.7	80.3	S	0.0	0.67				
6 „	.742	.888	75.0	75.0	0.0	75.0	.854	1.00	77.0	80.1	ENE	0.1	0.34				
7 „	.761	.907	75.0	75.0	0.0	75.0	.854	1.00	76.5	80.0	N b E	0.1	0.09				
8 „	.769	.891	77.4	76.3	1.1	75.9	.878	0.95	76.9	80.0	NNE	0.1					
9 „	.779	.960	78.2	75.0	3.2	73.7	.819	.87	77.8	80.1	„	0.1					
10 „	.778	.931	79.2	76.0	3.2	74.7	.847	.87	79.0	80.2	„	0.2	0.01	None.	None.	None.	None.
11 „	.770	.892	81.4	77.4	4.0	75.9	.878	.84	80.0	80.3	ENE	0.1					
Noon.	.749	.899	78.2	75.8	2.4	74.8	.850	.90	78.9	80.3	NW b N	0.1					
1 p. m.	.726	.888	81.4	76.4	5.0	74.4	.838	.80	79.9	80.3	NW	0.2					
2 „	.703	.825	82.8	77.8	5.0	75.9	.878	.80	80.9	80.4	WNW	0.1					
3 „	.688	.802	82.8	78.0	4.8	76.1	.886	.81	81.0	80.5	„	0.2					
4 „	.683	.863	81.6	76.0	5.6	73.7	.820	.78	80.6	80.6	NW	0.3					
5 „	.686	.833	80.6	76.5	4.1	75.0	.853	.84	80.1	80.6	„	0.4					
6 „	.711	.855	80.1	76.5	3.6	75.1	.856	.85	80.0	80.5	„	0.2					
7 „	.722	.854	79.8	76.7	3.1	75.5	.868	.87	79.5	80.5	NW b N	0.0					
8 „	.748	.899	79.0	76.0	3.0	74.8	.849	.88	79.0	80.5	NNW	0.0					
9 „	.760	.903	78.3	76.0	2.3	75.1	.857	.90	79.0	80.5	NE	0.2					
10 „	.756	.910	77.5	75.5	2.0	74.7	.846	.92	78.6	80.5	ESE	0.2					
11 „	.742	.903	76.4	75.0	1.4	74.5	.839	.94	78.0	80.4	SE	0.3					
Sept. 5th-Midnight	.735	.892	76.7	75.2	1.5	74.6	.843	.94	77.7	80.4	SE b S	0.2					
1 a. m.	.720	.884	76.6	75.0	1.6	74.3	.836	.93	77.7	80.4	„	0.5					
2 „	.696	.849	75.8	74.5	1.3	74.7	.847	.94	77.2	80.4	ESE	0.3					
3 „	.688	.841	75.8	74.5	1.3	74.7	.847	.94	77.2	80.3	„	0.5					
4 „	.689	.848	76.2	75.0	1.2	74.5	.841	.95	77.2	80.3	SE b S	0.2					
5 „	.694	.851	76.0	75.0	1.0	74.6	.843	.96	77.0	80.2	S	0.0	0.12				
6 „	.700	.884	76.4	74.4	2.0	73.6	.816	.91	77.0	80.0	S b W	0.2	0.05	None.	None.	None.	None.
7 „	.730	.889	76.2	75.0	1.2	74.5	.841	.95	77.0	79.9	SSW	0.1	0.17				
8 „	.744	.903	76.2	75.0	1.2	74.5	.841	.95	77.0	79.9	S	0.1	0.02				
9 „	.756	.930	77.5	75.0	2.5	74.0	.826	.89	78.0	80.0	„	0.1					
10 „	.748	.947	76.4	74.0	2.4	73.0	.801	.90	77.4	79.8	W	0.1	0.06				
11 „	.745	.903	79.6	76.0	3.6	74.6	.842	.85	79.2	80.0	NE	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒⌣ cumulo-strati; and ⌇⌇ nimbi.	
8	C	Overcast with ⌇⌇ moving NE; a few stars dimly visible about zenith.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°5. Daily fall of rain by Osler's Gauge 0·04 in. 3rd September was the 77th rainy day.
8	B	Overcast with ⌇⌇ and ⌇; a lunar-halo.	
8	B	Overcast with ⌇⌇ moving ENE.	
8	B	" "	
8	B	" "	
7	G	" "	
8	G	⌇⌇ and ⌇ scattered about, the former moving ENE.	
8	G	Overcast with ⌇⌇, ⌇⌇ and ⌇, the former moving ENE.	
8	G	" " "	
8	C	Overcast with ⌇⌇ and ⌇⌇, the former moving ENE.	
8	C	" "	
8	C	Overcast; rain fell from 11h. 11m. to 11h. 54m.	
8	C	Overcast with ⌇⌇ moving ENE.	
8	B	" "	
8	B	Overcast with ⌇⌇ moving E.	
8	B	Overcast with ⌇⌇ moving ESE.	
8	B	" "	
8	G	" "	
8	G	Overcast with ⌇⌇ and ⌇⌇, the former moving ESE.	
8	G	Overcast with ⌇⌇ moving ESE.	
8	G	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	Densely clouded with ⌇⌇ moving ESE; a few drops of rain at 0h. 25m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°5. Daily fall of rain by Osler's Gauge 1·28 in. 4th September was the 78th rainy day, and 31st day on which wind blew abnormally.
8	B	Overcast with ⌇⌇ moving E.	
8	B	" "	
8	B	Overcast with ⌇⌇ moving ESE; light rain between 3h. 25m. to 3h. 55m.	
8	B	Overcast; rain commenced at 4h. 15m.	
8	G	Overcast; raining.	
8	G	Overcast; rain ceased at 6h. 57m.	
8	G	Overcast; no rain.	
8	G	Overcast; a few drops of rain at 8h. 0m.	
8	C	Overcast; rain from 9h. 40m. to 9h. 59m.	
8	C	Overcast; no rain.	
8	C	Overcast with ⌇⌇ moving SSE; rain from 11h. 46m. to 11h. 58m.	
8	C	Overcast; no rain.	
8	B	Overcast with ⌇⌇ moving ESE.	
8	B	Overcast with ⌇⌇ moving E.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; a few drops of rain at 7h. 56m.	
8	G	Overcast with ⌇⌇ moving E; rain between 8h. 4m. and 8h. 42m.	
8	C	Overcast with ⌇⌇ moving ESE.	
8	C	Overcast with ⌇⌇ moving SE.	
8	C	" "	
8	C	Overcast with ⌇⌇ moving SE; a few drops of rain fell between 0h. 35m. and 0h. 45m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°0. Daily fall of rain by Osler's Gauge 0·82 in. 5th September was the 79th rainy day and 32nd day on which wind blew abnormally.
8	B	Overcast; drops of rain fell between 1h. 6m. and 1h. 20m.	
8	B	Overcast; no rain.	
8	B	Overcast; a few stars dimly visible.	
8	B	Overcast; rain commenced at 4h. 30m.	
8	G	Overcast; rain ceased at 5h. 20m.	
8	G	Overcast; drizzling rain from 6h. 9m. to 6h. 57m.	
8	G	Overcast; rain from 7h. 21m. to 7h. 54m.	
8	G	Overcast with ⌇⌇ moving ESE; rain commenced at 8h. 7m.	
8	B	Overcast; rain ceased at 9h. 22m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain commenced at 11h. 34m.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in seconds between the time of the discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 5th-Noon.	29.733	28.905	77°4	75°0	2°4	74°0	0.828	0.90	78°2	80°0	„	0.3	0.16				
1 p. m.	.700	.841	78.1	76.0	2.1	75.2	.859	.91	78.5	80.1	NW	0.2	0.09				
2 „	.687	.838	79.0	76.0	3.0	74.8	.849	.88	78.6	80.2	W b N	0.4	0·02				
3 „	.672	.802	80.6	77.0	3.6	75.6	.870	.85	79.6	80.2	W	0.3	0.03				
4 „	.665	.808	82.2	77.1	5.1	75.1	.857	.80	80.5	80.2	„	0.3					
5 „	.675	.831	80.2	76.2	4.0	74.6	.844	.84	80.0	80.2	WNW	0·3		None.	None.	None.	None.
6 „	.686	.843	79.5	76.0	3.5	74.6	.843	.86	79.1	80.2	W	0.1					
7 „	.697	.879	79.0	75.5	3.5	73.7	.818	.82	78 9	80.2	WNW	0.2					
8 „	.709	.860	79.0	76.0	3.0	74.8	.849	.88	78.9	80.2	W b N	0.2					
9 „	.717	.877	78·0	75.5	2.5	74.5	.840	.89	78.6	80.1	NW	0.0	0.09				
10 „	.727	.863	78.2	76.0	2.2	75.1	·858	.91	78.7	80.1	NW b W	0·3	0.01				
11 „	.717	.859	78.2	76.0	2.2	75.1	.858	.91	78.7	80.1	WNW	0.4					
Sept. 7th-Midnight	.707	.917	74·0	73.0	1.0	72.6	.790	.96	75.3	79.3	WNW	0.2	0.01				
1 a. m.	.687	.899	74.2	73.0	1.2	72.5	.788	.95	75.4	79.3	„	0.2					
2 „	.667	.896	74.0	72.5	1.5	71.8	.771	.93	75.2	79.2	NW	0.8	0.04				
3 „	.652	.875	73.5	72.5	1.0	72.0	.777	.96	75.0	79.1	NW b W	0.5	0.04				
4 „	.656	.866	74.0	73.0	1.0	72.6	.790	.96	75.2	79.0	NW	0.2					
5 „	.666	.876	74·0	73.0	1.0	72 6	.790	.96	75.0	78.9	W b N	0.1					
6 „	·674	.886	74.2	73.0	1.2	72.5	.788	.95	75.0	78.7	W	0.2	0.02				
7 „	.699	.884	75.1	74.0	1.1	73.5	.815	.95	75.3	78.6	SW b W	0.1					
8 „	.711	.868	76.7	75.2	1.5	74.6	.843	.94	77.0	78.6	„	0.2		None.	None.	None.	None.
9 „	.732	.889	76.7	75.2	1.5	74.6	.843	.94	77.0	78.7	NW b N	0.2	0.01				
10 „	.737	.908	75.6	74.5	1.1	74.1	·829	.95	77.0	78.8	NW	0.3	0.06				
11 „	.729	.900	75.6	74·5	1.1	74.1	·829	.95	76.9	78.9	„	0.3	0.07				
Noon.	.718	.889	75.6	74.5	1.1	74·1	·829	.95	76.7	78·9	„	0.3	0.04				
1 p. m.	.693	.864	75.6.	74.5	1.1	74.1	·829	·95	76.3	78.8	WNW	0.2	0.05				
2 „	.685	.858	75.8	74.5	1.3	74.0	.827	.94	76.3	78.8	W b N	0 1	0.04				
3 „	.679	.827	77.0	75.0	2.0	74 2	·832	·91	77.0	78.9	„	0·1	0.04				
4 „	.659	.816	77.4	75.4	2.0	74.6	·843	.91	77.4	79.0	SSW	0.1	0·01				
5 „	.660	.819	76.2	75.0	1.2	74 5	·841	.95	77.0	78.9	S b W	0.2	0.01				
6 „	.671	.855	75.0	74.0	1.0	73.6	·816	.96	76·0	78.9	„	0.1	0.06				
7 „	.689	.862	75.8	74.5	1.3	74.9	·847	.94	76 0	78.9	SW	0.1					
8 „	.706	.879	75.8	74.5	1.3	74.0	·847	.94	76·4	78.9	„	0.2					
9 „	.737	.910	75.8	74.5	1.3	74·0	·847	.94	76.3	78.9	SSW	0.3					
10 „	.735	.908	75·4	74.4	1·0	74.0	·827	.96	76.2	78.9	S b W	0.2	0.02				
11 „	.729	.888	75.5	74.8	0.7	74.5	·841	.97	76.1	78.8	SW	0.2	0 01				
Sept. 8th-Midnight	.715	·874	75.5	74.8	0.7	74.5	·841	.97	76.0	78.8	SW b W	0.2	0.22				
1 a. m.	.697	.852	75.8	75.0	0·8	74.7	.845	.97	77.0	78.8	„	0.1					
2 „	.692	.904	74.2	73.0	1.2	72.5	.788	.95	76.2	78.8	WSW	0.2	0.02				
3 „	.682	.882	74·8	73.5	1·3	73.0	·800	.94	76.2	78.8	WNW	0.2	0.02				
4 „	.689	.875	75.2	74.0	1 2	73.5	·814	.95	76.2	78.8	W	0.2					
5 „	.699	.883	75.0	74.0	1.0	73.7	.816	.96	76.0	78.8	NW b W	0.2					
6 „	.703	.887	75.0	74.0	1.0	73.7	.816	.96	76.0	78.8	NW	0.1					
7 „	·745	.902	·76.4	75.1	1.3	74.6	.843	.94	76·7	78.7	NE b N	0.2					
8 „	.749	·906	76.0	75.0	1.0	74 6	.843	.96	76.0	78.7	ESE	0.3	0.12				
9 „	.771	.922	76.2	75.2	1.0	74.8	·849	.96	76.1	78.8	„	0.3	0.08				
10 „	.773	.926	76.4	75.2	1.2	74·7	·847	.95	76.6	78.9	SSE	0.2	0.16				
11 „	·767	.882	78.2	76.7	1.5	76.1	.885	.94	77.1	79.0	S b E	0.1	0.04				
Noon.	.750	·846	80.4	77.8	2.6	76.8	.904	.89	78.9	79.1	S	0.2		None.	None.	None.	None.
1 p. m.	.733	.844	81.8	77.8	4.0	76.3	.889	.84	79.9	79.1	WSW	0.1					
2 „	.717	.818	81.6	78.0	3.6	76.6	.899	.86	79.9	79.2	W b S	0.2					
3 „	.695	.805	83.2	78.2	5 0	76·3	.890	.80	80.6	79.4	W	0.1					
4 „	.691	.805	82.8	78.0	4.8	76.1	.886	.81	80.6	79.6	„	0.1					
5 „	.701	.829	81.2	77.2	4.0	75.6	.872	.84	80.0	79.8	„	0.1					
6 „	.717	.849	79.8	76.7	3.1	75.5	·868	.87	79 2	79.8	W b S	0.1					
7 „	.738	.856	76.0	76.0	0 0	76 0	.882	1.00	78.0	79.7	SW	0.0	0.47				
8 „	.765	.883	76.0	76.0	0.0	76.0	.882	1.00	77.7	79.6	W	0.0	0.18				
9 „	.780	.933	76.7	75.3	1·4	74.7	.847	0.94	78.0	79 6	SSW	0.1	0.04				
10 „	.780	.909	77.0	76·0	1.0	75.6	.871	.95	78.0	79.6	W	0.2	0.06				
11 „	.768	.889	78.0	76.5	1.5	75·9	.879	.94	78.3	79.7	„	0.2	0.01				

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≡ cirri; ≈ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≈ cumulo-strati; and ≈ nimbi.	Remarks.
8	B	Overcast; raining.	
8	C	Overcast; rain ceased at 1h. 11m. but recommenced at 11h. 37m.	
8	C	Overcast with ≈ moving ESE; rain ceased at 2h. 30m.	
8	C	Overcast; no rain.	
8	C	Overcast; a passing shower of rain at 4h. 8m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	B	Overcast with ≈ moving E; light rain commenced at 8h. 35m.	
8	B	Overcast; rain ceased at 9h. 7m.	
8	B	Overcast; no rain.	
8	B	" "	
8	C	Overcast with ≈ moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°3. Daily fall of rain by Osler's Gauge 0·55 in. On the 7th, at 3 A.M., Barometer was 29·652, being lowest in the month; on the same day at 3h. A.M. temperature of Air was 73°5 lowest in the month. 7th September was the 80th rainy day.
8	B	Overcast; light rain commenced at 1h. 45m.	
8	B	Overcast; rain ceased at 2h. 28m.	
8	B	Overcast; no rain.	
8	B	" "	
8	G	Overcast; light rain between 5h. 32m. and 5h. 52m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; rain fell between 8h. 26m. and 8h. 42m.	
8	C	Overcast; rain commenced at 9h. 18m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 3h. 15m.	
8	B	Overcast; rain fell from 4h. 32m. to 4h. 51m.	
8	G	Overcast; rain fell from 5h. 7m. to 5h. 12m. and from 5h. 17m. to 5h. 32m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; rain commenced at 8h. 37m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	" "	
8	C	Overcast with ≈ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°3 and 83°3. Daily fall of rain by Osler's Gauge 1·46 in. 8th September was the 81st rainy day and the 33rd on which wind blew abnormally.
8	B	Overcast; light rain fell between 1h. 45m. and 1h. 55m.	
8	B	Overcast; light rain fell from 2h. 30m. to 2h. 40m.	
8	B	Overcast with ≈ moving ESE.	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; rain fell between 7h. 31m. and 7h. 52m.	
8	G	Overcast; rain fell from 8h. 14m. to 8h. 54m.	
8	C	Overcast with ≈ moving E; rain fell from 9h. 7m. to 9h. 48m.	
8	C	Overcast with ≈ moving ENE; rain fell from 10h. 39m. to 10h. 57m.	
8	C	Overcast; slight rain at 11h. 0m.	
8	C	Overcast with ≈ moving NE. [and 1h. 58m.	
8	B	Overcast with ≈ and ≈, the former moving ENE; drops of rain fell between 1h. 55m.	
8	B	Overcast with ≈ moving NE.	
8	B	Overcast with ≈ moving E.	
8	B	≈ around hor.; ≡ and ≈ scattered about.	
6	G	≈ around hor.; ≡ and ≈ scattered about.	
8	G	Overcast with ≈, ≡ and ≈; rain commenced at 6h. 19m.	
8	G	Overcast; rain ceased at 7h. 39m. but recommenced at 7h. 51m.	
8	G	Overcast; rain ceased at 8h. 17m. but recommenced at 8h. 44m.	
8	C	Overcast; rain ceased at 9h. 24m. but recommenced at 9h. 32m.	
8	C	Overcast; rain ceased at 10h. 21m.	
8	C	Overcast; no rain.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in same vertical the effect of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 9th-Midnight	29.755	28.881	78°1	76°4	1°7	75°7	0·374	0·93	78°3	79°7	W	0.3					
1 a. m.	.742	·893	77·2	75.5	1.7	74.8	·849	.93	77.5	79.7	„	0.2					
2 „	.726	.897	77.3	75.0	2.3	74.1	·829	.99	77.8	79.7	„	0.2					
3 „	.724	.911	77.0	74.5	2.5	73.5	·813	.89	77.8	79.6	„	0.1					
4 „	.724	·911	77.0	74.5	2.5	73.5	·813	.89	77.8	79.6	„	0.2					
5 „	.736	·887	77.2	75.5	1.7	74.9	·849	.93	78.0	79.6	„	0.1					
6 „	.740	·862	77.4	76·3	1.1	75.9	·878	.95	78.0	79.5	„	0.1					
7 „	.773	.908	78.3	76.2	2.1	75.4	·865	.91	78.1	79.4	„	0.1					
8 „	.794	.906	79.0	77.0	2.0	76.2	·888	.92	78.2	79.4	W b N	0.1					
9 „	.802	·914	81.5	77.7	3.8	76.2	·888	.85	79.3	79.5	W	0.2					
10 „	.803	.915	82.6	78.0	4.6	76.2	·888	.82	80.2	79.6	W b S	0.2					
11 „	.793	.876	83.8	79.0	4.8	77.2	·917	.81	81·1	79.8	„	0.3		None.	None.	None.	None.
Noon.	.786	.913	84.0	78.0	6.0	75.7	·873	.77	81.3	80.0	W	0.2					
1 p. m.	.756	·867	84.5	78.5	6.0	76.3	·889	.77	81.5	80.1	WNW	0.2					
2 „	·731	·823	84.6	79.0	5.6	76.9	·908	.79	81.9	80.2	W b N	0.3					
3 „	·713	·825	84.6	78.5	6.1	76.2	·888	.77	81.9	80.3	WNW	0.3					
4 „	.705	.827	83.6	78.0	5.6	75.9	·878	.78	81.6	80.4	W b N	0.1					
5 „	.711	.816	82·0	78.0	4.0	76.5	·895	.84	81.0	80.4	„	0.1					
6 „	.719	.846	80.4	77.0	3.4	75.7	·873	.86	80.0	80.5	W	0.1					
7 „	.744	.867	80.0	77.0	3.0	75.8	·877	.88	80.0	80.5	WNW	0.2					
8 „	·762	.896	79.2	76.5	2.7	75.4	·866	.89	79.6	80.4	W b N	0.2					
9 „	·792	·941	78.8	76.0	2.8	74.9	·851	.88	79.2	80.4	„	0.1	0.03				
10 „	.799	.931	78.0	76.2	1.8	75.5	·868	.92	78.8	80.4	NNW	0.2	0.04				
11 „	.785	·945	78.4	75.6	2.8	74.5	·840	.88	79.0	80.3	WNW	0.2	0.02				
Sept.10th-Midnight	.768	.918	78.2	75.8	2.4	74.8	·850	.90	78.7	80.3	WNW	0.1					
1 a. m.	.752	.912	78.0	75.5	2.5	74·5	·840	.89	78.5	80.3	„	0.3	0.03				
2 „	.740	.906	77.6	75.2	2.4	74.3	·834	.90	78.4	80.3	NW b W	0.4	0.07				
3 „	.733	.899	77.6	75.2	2.4	74.3	·834	.90	78·3	80.2	„	0.1					
4 „	.734	.936	76.6	74·0	2.6	72.9	·798	.89	77.6	80.2	„	0.5	0.09				
5 „	.736	.920	75.0	74.0	1.0	73.6	·816	.96	77.0	80.1	NW b N	0.4	0.48				
6 „	.745	.912	74.9	74.4	0.5	74.2	·833	.98	76.5	79.9	WNW	0.2	0.15				
7 „	.769	.940	75.0	74.5	1.1	74.1	·829	.95	76.8	79·8	„	0.1	0.04				
8 „	.793	.961	77.0	75.0	2.0	74.2	·832	.91	77.0	79.6	„	0.1	0.05				
9 „	.802	.930	77.8	76.2	1.6	75.6	·872	.93	78.0	79.7	NW b W	0.1					
10 „	.805	.950	77.7	75.8	1.9	75.0	·855	.92	78.0	79.8	„	0.1					
11 „	.793	.931	78.2	76.1	2.1	75.3	·862	.91	78.2	79.8	WNW	0.0	0.02				
Noon.	.769	.832	82.0	79.0	3.0	77.9	·937	.88	80.0	79.8	W b N	0.2		None.	None.	None.	None.
1 p. m.	.749	.823	83.0	79.0	4.0	77.5	·926	.84	80.4	79.9	„	0.2					
2 „	.727	.921	81.5	75.6	5.9	73.2	·806	.77	80.1	·80.0	WNW	0.8					
3 „	.699	.879	79.1	75.3	3.8	73.5	·820	.84	79.2	80.1	„	0.6					
4 „	.697	.847	78.9	76.0	2.9	74.8	·850	.88	79.0	80.0	„	0.4					
5 „	.694	.826	79.8	76.7	3.1	75.5	·868	.87	79.0	80.0	„	0.5	0.01				
6 „	.706	.874	78.8	75.5	3.3	74.2	·832	.86	78.7	80.0	NW b W	0.4					
7 „	.732	.900	78.8	75.5	3.3	74.2	·832	.86	78.3	80.0	WNW	0.2					
8 „	.754	·911	77.4	75.4	2.0	74.6	·843	.91	78.0	80.0	„	0·3	0.18				
9 „	.780	.929	76.8	75.4	1.4	74.9	·851	.94	77.8	80.0	NNE	0.2					
10 „	.783	.935	76.6	75.3	1.3	74.8	·848	.94	77.6	80.0	E b N	0.4					
11 „	.762	.917	75.8	75.0	0.8	74.7	·845	.96	77.0	79.8	E	0.6					
Sept.11th-Midnight	.737	.908	75.5	74.5	1.0	74.1	·829	.96	77.0	79.7	ESE	0.4	0.01				
1 a. m.	.721	.878	76.0	75.0	1.0	74.6	·843	.96	77·1	79.7	SE b S	0.2					
2 „	.707	.864	76.0	75.0	1.0	74.6	·843	.96	77.1	79.7	„	0.1	0.06				
3 „	.699	.856	76.0	75.0	1.0	74.6	·843	.96	77.1	79·6	„	0.0	0.21				
4 „	.695	.852	76.0	75.0	1.0	74.6	·843	.96	77.0	79.6	SSE	0·0	0.21				
5 „	.701	.853	76.6	75.3	1.3	74.8	·848	.94	77.2	79.6	WNW	0.1		None.	None.	None.	None.
6 „	.716	.886	77.2	75.0	2.2	74.1	·830	.91	77.5	79.6	„	0.2					
7 „	.744	.884	78.0	76.0	2.0	75·2	·860	.92	78·0	79.6	„	0.3					
8 „	.776	.930	79.5	76.1	3.4	74.7	·846	.86	78.6	79.6	NW b W	0.2					
9 „	.794	.984	78.3	74.8	3.5	73.3	·810	.85	78.4	79.7	W b N	0.2	0.23				
10 „	.791	.899	79.4	77.2	2.2	76.4	·892	.91	79.0	79.7	NNW	0.2	0.04				
11 „	.779	.881	81.7	78.0	3.7	76.6	·898	.85	80.3	79.8	WNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ∿ nimbi.	
8	C	Overcast with ∿ moving E; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°3. Daily fall of rain by Osler's Gauge 0·09 in. 9th September was the 82nd rainy day.
4	B	∿ scattered about moving E.	
4	B	∿ scattered about moving ESE.	
4	B	" "	
7	B	∿ and ∿ scattered throughout, the former moving ESE.	
8	G	Overcast with ∿ moving ESE.	
8	G	Overcast.	
8	G	"	
8	G	"	
8	C	"	
8	C	Overcast with ∿ moving E.	
8	C	Overcast with ∿ and ∿, the former moving E.	
8	C	" "	
8	B	" "	
7	B	∿, ∿ and ∿ scattered about, the former moving E.	
7	B	" "	
7	B	∿, ∿ and ∿ scattered about, the former moving E.	
8	G	∿ and ∿ scattered about, the former moving E.	
8	G	Overcast with ∿, ∿ and ∿, the former moving E.	
8	G	Overcast; a few stars dimly visible.	
8	G	Overcast; rain commenced at 8h. 55m.	
8	N	Overcast; raining.	
8	N	Overcast; rain ceased at 10h. 20m.	
8	N	Overcast; rain fell from 11h. 12m. to 11h. 30m.	
8	N	Overcast with ∿ moving E; light rain commenced at 0h. 42m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°1 and 83°2. Daily fall of rain by Osler's Gauge 1·11 in. 10th September was the 83rd rainy day.
8	B	Overcast; rain ceased at 1h. 30m.	
8	B	Overcast; no rain.	
8	B	Overcast; rain commenced at 3h. 25m.	
8	B	Overcast with ∿ moving ESE; raining.	
8	G	" "	
8	G	Overcast with ∿ moving E; rain ceased at 6h. 31m.	
8	G	Overcast with ∿ moving E.	
8	G	" "	
8	N	Overcast; rain commenced at 9h. 35m.	
8	N	Overcast; raining.	
8	N	Overcast.	
8	N	"	
8	B	Overcast; a few drops of rain fell between 1h. 18m. and 1h. 25m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	Overcast a few drops of rain fell from 4h. 39m. to 4h. 48m.	
8	G	Overcast with ∿ moving ESE; a few drops of rain fell at 5h. 0m.	
8	G	Overcast; no rain.	
8	G	Overcast with ∿ moving ESE; rain fell from 7h. 8m. to 7h. 15m.	
8	G	Overcast; no rain.	
8	N	" "	
8	N	Overcast; rain commenced at 10h. 32m.	
8	N	Overcast; rain ceased at 11h. 19m.	
8	N	Overcast with ∿ moving E; slight rain fell between 0h. 1m. and 0h. 40m.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°2. Daily fall of rain by Osler's Gauge 0·90 in. 11th September was the 84th rainy day and 34th day on which wind blew abnormally.
8	B	Overcast; light rain fell between 1h. 40m. and 1h. 56m.	
8	B	Overcast; rain commenced at 2h. 15m.	
8	B	Overcast; rain ceased at 3h. 22m.	
8	B	Overcast; no rain.	
8	G	" "	
8	G	" "	
8	G	" "	
8	G	" "	
8	N	Overcast; rain fell from 9h. 0m. to 9h. 8m.	
8	N	Overcast; no rain.	
8	N	Overcast with ∿ moving SE.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 11th-Noon.	29.760	28.886	82·4	77·6	4·8	75·7	0.874	0.81	80·6	80·0	NW b W	0.1					
1 p. m.	.736	.852	83.0	78.0	5.0	76.1	.884	.80	81.0	80.1	W	0.2	0.07				
2 „	.716	.859	83.7	77.5	6.2	75.1	.857	.76	81.4	80.1	W b N	0.7					
3 „	.692	.836	83.8	77.5	6.3	75.1	.856	.77	81.5	80.2	WNW	0.3					
4 „	.691	.870	83.3	76.5	6.8	73.8	.821	.74	81.4	80.3	„	0.5					
5 „	.691	.819	81.2	77.2	4.0	75.6	.872	.84	80.5	80.4	„	0.2		None.	None.	None.	None.
6 „	.709	.848	79.7	76.5	3.2	75.2	.861	.87	80.0	80.4	„	0.1					
7 „	.722	.861	79.7	76.5	3.2	75.2	.861	.87	79.8	80.4	„	0.4					
8 „	.739	.868	78.8	76.5	2.3	75.6	.871	.90	79.0	80.4	W b N	0.2					
9 „	.761	.943	79.0	75.2	3.8	73·6	.818	.84	79.0	80.4	W	0·6					
10 „	.770	.920	78.2	75.8	2.4	74.8	.850	.90	78·8	80.3	NW b W	0.3					
11 „	.765	.913	78.7	76.0	2.7	74·9	.852	.89	78.8	80.3	WNW	0.1					
Sept. 12th-Midnight	.751	.920	77.8	75.2	2.6	74.1	.831	.89	78.6	80.2	W	0.1	0.07				
1 a. m.	.735	.892	77.8	75.5	2.3	74.6	.843	.90	78.5	80.2	„	0.0					
2 „	.719	.873	77.5	75.5	2.0	74.7	.846	.92	78.3	80.1	WSW	0.0					
3 „	.713	.881	77.0	75.0	2.0	74.2	.832	.91	78.0	80.1	W	0.0					
4 „	.713	.881	77.0	75.0	2·0	74.2	.832	.91	78.0	80.1	„	0.0					
5 „	.718	.886	77.0	75.0	2.0	74.2	.832	.91	78.0	80.0	„	0.1					
6 „	.738	.860	77.4	76.3	1·1	75.9	.878	.95	78.0	80.0	WNW	0.2					
7 „	.762	.935	78.2	75.2	3.0	74.0	.827	.87	78.5	80.0	NW b W	0.1					
8 „	.785	.947	80.0	76.0	4.0	74.4	.838	.84	79.0	80.0	WNW	0.2					
9 „	.809	.906	82.0	78.2	3.8	76.7	.903	.85	80.5	80.1	NW b W	0.3					
10 „	.813	.923	82.5	78.0	4·5	76.3	.890	·82	80.8	80.2	WNW	0.4		None.	None.	None.	None.
11 „	.807	.913	82.8	78.2	4.6	76.4	.894	.82	81.0	80.3	W	0.4					
Noon.	.796	.845	84.5	80.0	4.5	78.4	.951	.82	81.8	80.4	W b N	0.2					
1 p. m.	.777	.887	84.4	78.5	5.9	76.3	.890	·77	82.0	80.5	W	0.3					
2 „	.758	.920	83.5	77.0	6.5	74.4	.838	.75	82.0	80.6	WNW	0.6					
3 „	.740	.907	81.2	76.2	5.0	74.2	.833	.80	80.5	80.6	„	0·6					
4 „	.739	.897	79.6	76.0	3.6	74.6	.842	.85	79.9	80.6	W b N	0.1					
5 „	.738	.886	78.7	76.0	2.7	74.9	.852	.89	79.0	80.5	W	0.1					
6 „	.760	.889	78.8	76.5	2.3	75.7	.871	.90	79.0	80.5	W b S	0.1					
7 „	.781	.937	77.7	75.5	2.2	74.6	.844	.91	78.8	80.4	SW b W	0.0	0.04				
8 „	.798	.923	77.9	76.3	1.4	75.8	.875	.94	78.3	80.3	SW b S	0.0					
9 „	.818	.929	77.9	76.7	1.2	76.3	.889	.95	78.2	80.3	SSW	0.0					
10 „	.820	.930	77.1	76.5	0.6	76.3	.890	.97	78.0	80.2	S b E	0.1	0.01				
11 „	.815	.934	77.9	76.5	1.4	76.0	.889	.94	78.5	80.2	WSW	0.0	0.06				
Sept. 14th-Midnight	.831	.982	79.0	76.0	3.0	74.8	.849	.88	79.5	81.0	WSW	0.4					
1 a. m.	.815	.966	79.0	76.0	3.0	74.8	.849	·88	79.5	80.9	„	0.2					
2 „	.809	.960	79.0	76·0	3.0	74.8	.849	.88	79.5	80·8	W b S	0.2					
3 „	.793	.945	79.1	76.0	3.1	74.8	.848	.87	79.5	80·8	WSW	0.1					
4 „	.789	.941	79.1	76.0	3.1	74.8	.848	.87	79.5	80·8	„	0.2					
5 „	.788	.940	79.1	76.0	3.1	74.8	.848	.87	79.4	80.8	W b S	0.4					
6 „	.801	.919	78.8	76.8	2.0	76.0	.882	.92	79.0	80.8	W	0.2					
7 „	.820	.982	80.0	76.0	4.0	74.4	.838	.84	79.9	80.7	„	0.2					
8 „	.840	.952	81.5	77.7	3.8	76.2	.888	.85	80.2	80.7	„	0.2					
9 „	.847	.963	83.0	78.0	5.0	76.1	.884	.80	81.0	80.9	„	0.4					
10 „	.845	.937	84·6	79.0	5.6	76.9	.908	.79	82.0	81.0	„	0.4					
11 „	.841	.933	85.4	79.2	6.2	76.9	.908	.76	82.5	81.1	W b S	0.3		None.	None.	None.	None.
Noon.	.831	.922	86.5	79.5	7.0	76.9	.909	.74	83.0	81.2	W	0.4					
1 p. m.	.803	.901	85.2	79.0	6.2	76·7	.902	.76	82.6	81.2	WSW	0.2					
2 „	.791	.975	82.0	76.0	6.0	73.6	.816	.77	81.5	81.2	W	0.6	0.02				
3 „	.781	.959	82.2	76.2	6.0	73·8	.822	.77	81.5	81.2	WSW	0.4					
4 „	.766	.978	81.0	75.0	6.0	72.5	.788	.76	80.9	81·2	SW b W	0.4					
5 „	.769	.916	80.6	76.5	4 1	75.0	.853	.84	80.4	81.2	„	0.2					
6 „	.772	.934	80.0	76.0	4 0	74.4	.838	.84	80.0	81.2	WSW	0.1					
7 „	.793	.922	78.8	76.5	2.3	75.6	.871	.90	79.2	81.2	S W b W	0.2	0 09				
8 „	.804	.947	75.8	74.0	1 8	73·2	.807	.92	78.2	81.1	W b S	0·0	0.54				
9 „	.823	.970	77.2	75.6	1.6	75.0	.853	.93	78.4	81.1	S W b W	0.1					
10 „	.830	29.002	77·4	75.0	2.4	74.0	.828	.90	78.5	81.0	„	0.1					
11 „	.820	28.999	78.0	75.0	3.0	73.8	.821	.87	78.5	81.0	WSW	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≀≀ nimbi.	Remarks.
8	N	Overcast; breaks in W and SW; rain from 12h. 50m. to 12h. 53m.	
7	B	≀≀ scattered about moving E.	
7	B	" "	
4	B	≀≀ around hor. and ≀≀ scattered about the sky.	
7	B	≀≀ around hor. and ≀≀ scattered about.	
8	G	Overcast with ≀≀ moving E.	
7	G	≀≀ scattered about moving E.	
7	G	" "	
8	G	Overcast with ≀≀ moving E.	
8	N	Overcast with ≀≀ moving SE. A passing shower of rain at 9h. 15m.	
8	N	Overcast; no rain.	
8	N	Overcast; a few stars dimly visible.	
8	N	Overcast with ≀≀ moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°2 and 83°2. Daily fall of rain by Osler's Gauge 0.19 in. On the 12th. at noon, temperature of Evaporation was 80, being highest in the month; on the same day at noon temperature of Dew-Point was 78·4 highest in the month. 12th September was the 85th rainy day.
5	B	≀≀ scattered about moving ESE.	
3	B	≀≀ scattered about hor. moving ESE.	
4	B	≀≀ scattered about hor. moving ESE.	
3	B	≀≀ scattered about moving E.	
6	G	" " "	
5	G	≀≀ scattered about moving E; mist in hor.	
5	G	" " " "	
5	G	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
7	N	≀≀, ≀≀ and ≀ scattered about, the former moving SE.	
6	N	≀≀, ≀≀ and ≀ scattered about, the former moving SE.	
8	N	Overcast with ≀≀ moving SE.	
7	N	≀≀, ≀≀ and ≀ scattered about, the former moving SE.	
7	B	≀≀ around hor. and ≀≀ scattered throughout.	
7	B	" " " "	
8	B	Overcast with ≀≀ moving E; rain commenced at 8h. 15m.	
8	B	Overcast; rain ceased at 4h. 6m. [about the summits of Eastern Ghauts.	
8	G. L.	Overcast in two strata, the lower one moving E; a break in NW; whitish rainy clouds	
7	G. L.	Clouded with ≀≀ and ≀, the former moving E; ⌣ above the SE and S hor. Whitish rainy clouds about the summits of E Ghauts;	
7	G. L.	Densely clouded with ≀≀ moving E; rain ceased at 7h. 1m. [rain commenced at 6h. 45m.	
6	G. L.	Partially clouded with ≀≀ and ≀, the former moving E; very light rain commenced at	
8	G. L.	Overcast; rain ceased at 7h. 9m. [8h. 55m.	
8	G. L.	Overcast; rain fell from 10h. 43m. to 10h. 56m.	
8	G. L.	Overcast; no rain.	
8	C	Overcast with ≀≀ moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°2. Daily fall of rain by Osler's Gauge 0.66 in. On the 14th, at noon, the temperature of Air was 86·5 highest in the month. 14th September was the 86th rainy day.
8	B	Overcast; rain commenced at 1h. 45m.	
8	B	Overcast; rain ceased at 2h. 28m.	
8	B	Overcast; no rain.	
8	B	" "	
6	G	Overcast; rain fell from 5h. 32m. to 5h. 52m.	
6	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; rain fell from 8h. 26m. to 8h. 42m.	
7	C	Overcast; rain commenced at 9h. 18m.	
6	C	Overcast; raining.	
6	C	" "	
8	C	" "	
7	B	" "	
8	B	" "	
8	B	Overcast; rain ceased at 3h. 15m.	
8	B	Overcast; rain fell from 4h. 32m. to 4h. 51m.	
8	G	Overcast; rain fell from 5h. 7m. to 5h. 12m., and from 5h. 17m. to 5h. 32m.	
8	G	Overcast; no rain.	
8	G	" "	
8	G	Overcast; rain commenced at 8h. 37m.	
8	C	Overcast; raining.	
8	C	" "	
8	C	Overcast; rain ceased at 11h. 58m.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in hours after the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 15th-Midnight	29.802	28.981	78°0	75°0	3°0	73°8	0.821	0.87	78°5	80°9	W b S	0.5					
1 a. m.	.788	.989	78.3	74.5	3.8	73.0	.797	.84	78.6	80.9	W	1.0					
2 „	.776	.977	76.5	74.0	2.5	73.0	.799	.89	78.0	80.8	WNW	0.1	0.01				
3 „	.769	.977	77.2	74.0	3.2	72.7	.792	.87	78.1	80.7	WSW	0.6					
4 „	.763	.971	77.2	74.0	3.2	72.7	.792	.87	78.1	80.6	WNW	0.1					
5 „	.763	.969	77.0	74.0	3.0	72.8	.794	.87	78.0	80.6	WSW	0.1					
6 „	.765	.971	77.0	74.0	3.0	72.8	.794	.87	77.7	80.5	SW b W	0.6					
7 „	.789	.960	75.5	74.5	1.0	74.1	.829	.96	76.1	80.3	W	0.2	0.12				
8 „	.810	.989	78.0	75.0	3.0	73.8	.821	.87	77.7	80.2	SW	0.2	0.02				
9 „	.824	29.041	78.0	74.0	4.0	72.3	.783	.83	78.0	80.3	WSW	0.3					
10 „	.823	.013	79.0	75.0	4.0	73.3	.810	.84	78.5	80.4	„	0.3		None.	None.	None.	None.
11 „	.817	28.962	82.0	77.0	5.0	75.0	.855	.80	80.0	80.5	W b S	0.4					
Noon.	.798	.926	83.3	77.8	5.5	75.6	.872	.79	81.0	80.6	WSW	0.4					
1 p. m.	.776	.946	84.2	77.0	7.2	74.1	.831	.73	82.0	80.7	SW b W	0.2					
2 „	.753	.905	82.6	77.0	5.6	74.8	.848	.78	81.5	80.7	SW	0.2					
3 „	.743	.865	85.5	78.5	7.0	75.9	.878	.74	82.1	80.8	WSW	0.2					
4 „	.765	.838	85.6	79.0	6.6	76.5	.897	.75	82.1	80.9	„	0.4					
5 „	.731	.816	84.0	79.0	5.0	77.2	.915	.81	82.0	81.0	SW b W	0.2					
6 „	.737	.859	81.4	77.4	4.0	75.9	.878	.84	81.2	81.0	WSW	0.1					
7 „	.749	.886	79.7	76.5	3.2	75.2	.861	.87	80.7	81.0	SW b W	0.1					
8 „	.768	.919	79.0	76.0	3.0	74.8	.849	.88	80.0	81.0	WSW	0.0					
9 „	.782	.965	78.4	75.0	3.4	73.6	.817	.86	79.6	81.0	„	0.1					
10 „	.783	.960	78.6	75.2	3.4	73.8	.823	.86	79.6	81.0	SW b W	0.2					
11 „	.777	.928	79.0	76.0	3.0	74.8	.849	.88	79.6	81.0	SW b S	0.1					
Sept. 16th-Midnight	.763	.914	79.0	76.0	3.0	74.8	.849	.88	79.5	80.9	SW	0.1					
1 a. m.	.748	.895	78.6	76.0	2.6	75.0	.853	.89	79.5	80.8	„	0.1					
2 „	.732	.897	78.5	75.5	3.0	74.3	.835	.88	79.4	80.8	„	0.2					
3 „	.731	.929	78.0	74.5	3.5	73.0	.802	.85	79.0	80.7	„	0.2					
4 „	.733	.931	78.0	74.5	3.5	73.0	.802	.85	79.0	80.6	„	0.8					
5 „	.744	.866	77.4	76.3	1.1	75.9	.878	.95	78.6	80.5	W b S	0.2					
6 „	.765	.922	76.7	75.2	1.5	74.6	.843	.94	78.0	80.4	WSW	0.1					
7 „	.782	.934	79.1	76.0	3.1	74.8	.848	.87	78.2	80.4	SW b S	0.1					
8 „	.800	.923	80.0	77.0	3.0	75.8	.877	.88	78.9	80.4	SSE	0.1					
9 „	.827	.971	80.5	76.6	3.9	75.1	.856	.84	79.7	80.5	SE b S	0.4					
10 „	.822	29.018	83.8	76.2	7.6	73.1	.804	.71	79.4	80.5	WNW	0.1	0.23				
11 „	.808	28.910	81.7	78.0	3.7	76.6	.898	.85	79.5	80.5	W b N	0.1		None.	None.	None.	None.
Noon.	.782	.852	83.4	79.2	4.2	77.7	.930	.83	80.6	80.6	S	0.1					
1 p. m.	.762	.891	84.2	78.0	6.2	75.6	.871	.76	81.2	80.6	SW b W	0.3					
2 „	.739	.877	85.0	78.0	7.0	75.3	.862	.74	82.0	80.7	„	0.3					
3 „	.722	.827	85.8	79.0	6.8	76.5	.895	.75	82.6	80.9	WSW	0.3					
4 „	.722	.841	85.2	78.5	6.7	76.0	.881	.75	82.3	81.0	„	0.3					
5 „	.724	.852	83.3	77.8	5.5	75.6	.872	.79	82.0	81.1	SW b W	0.2					
6 „	.727	.874	80.6	76.5	4.1	75.0	.853	.84	80.9	81.2	WSW	0.1					
7 „	.743	.882	79.7	76.5	3.2	75.2	.861	.87	80.0	81.2	SW	0.2					
8 „	.760	.911	79.0	76.0	3.0	74.8	.849	.88	79.5	81.1	„	0.1					
9 „	.770	.941	79.0	75.5	3.5	74.1	.829	.86	79.4	81.1	WSW	0.1					
10 „	.770	.937	78.7	75.5	3.2	74.2	.833	.87	79.3	81.0	„	0.1					
11 „	.763	.948	78.2	75.0	3.2	73.7	.819	.87	79.3	80.9	SW	0.2					
Sept. 17th-Midnight	.759	.940	78.2	75.0	3.2	73.7	.819	.87	79.3	80.8	WSW	0.2					
1 a. m.	.747	.960	78.1	74.1	4.0	72.5	.787	.83	79.0	80.8	„	0.2					
2 „	.738	.915	77.8	75.0	2.8	73.8	.823	.88	78.6	80.7	„	0.5	0.06				
3 „	.732	.906	77.5	75.0	2.5	74.0	.826	.89	78.4	80.6	W b S	0.3		None.	None.	None.	None.
4 „	.730	.936	77.0	74.0	3.0	72.8	.794	.87	78.1	80.6	W	0.2					
5 „	.747	.953	77.0	74.0	3.0	72.8	.794	.87	78.0	80.5	WSW	0.1					
6 „	.757	.879	77.4	76.3	1.1	75.9	.878	.95	78.0	80.5	SW b W	0.2					
7 „	.791	.951	78.4	75.6	2.8	74.5	.840	.88	78.2	80.4	W b S	0.1					
8 „	.802	.964	80.0	76.0	4.0	74.4	.838	.84	79.0	80.4	W	0.2					
9 „	.819	.994	81.2	76.0	5.2	73.9	.825	.79	78.0	80.5	W b S	0.1					
10 „	.818	.983	82.0	76.5	5.5	74.3	.835	.78	80.5	80.6	„	0.1					
11 „	.802	.969	83.0	76.7	6.3	74.2	.833	.76	80.9	80.7	SW	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Cl cirri; Cl cirro-cumuli; Cl cumuli; Cl cirro-strati; Cl cumulo-strati; and Cl nimbi.	
8	C	Overcast with Cl moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 83°3. 15th September was the 87th rainy day.
8	B	Overcast; passing rain at 1h. 2m. and at 1h. 20m.	
8	B	Overcast; no rain.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	Overcast; rain fell from 6h. 31m. to 6h. 58m.	
8	G	Overcast; drops of rain fell between 7h. 29m. and 7h. 46m.	
8	G	Overcast; no rain.	
8	C	" "	
8	C	" "	
8	C	" "	
8	C	" "	
8	B	" "	
8	B	" "	
8	B	" "	
7	B	Densely clouded with Cl moving E.	
5	G	Cl scattered about moving E.	
6	G	" "	
7	G	" "	
8	G	Overcast with Cl moving E; a few stars dimly visible.	
5	C	Cl scattered about moving E.	
5	C	" "	
7	C	" "	
8	C	Overcast with Cl moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 83°3. Daily fall of rain by Osler's Gauge 0·24 in. 16th September was the 88th rainy day.
8	B	" "	
8	B	Overcast; a few stars dimly visible.	
8	B	" "	
8	B	Overcast with Cl moving E.	
6	G	Cl scattered about moving E.	
6	G	Cl and Cl scattered about, the former moving E; mist around hor.	
6	G	" " "	
8	G	Overcast with Cl moving E.	
8	C	Overcast; rain fell between 9h. 3m. and 9h. 31m.	
8	C	Overcast; no rain.	
6	C	Cl and Cl scattered about, the former moving E.	
6	C	Clouded as before; drizzling rain fell between 12h. 18m. and 12h. 23m.	
3	B	Cl scattered about hor.	
3	B	" "	
3	B	" "	
4	B	Cl scattered about moving ESE.	
6	G	" "	
7	G	Cl and Cl scattered about, the former moving ESE.	
7	G	" " "	
5	G	Cl scattered about moving SE.	
6	C	" "	
6	C	" "	
6	C	" "	
8	C	Overcast with Cl moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°9 and 83°3. Daily fall of rain by Osler's Gauge 0·51 in. 17th September was the 89th rainy day and 35th day on which wind blew abnormally.
8	B	Overcast; rain fell from 1h. 52m. to 1h. 58m.	
8	B	Overcast with Cl moving ENE.	
5	B	Cl scattered about moving E.	
8	B	Overcast with Cl moving E; a few stars dimly visible.	
7	G	Cl scattered about moving E.	
8	G	Overcast; mist along the E hor.	
8	G	" "	
8	G	" "	
8	C	" "	
6	C	Cl, Cl and Cl scattered about, the former moving E.	
6	C	" " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 4 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawe of Volta 1.	Electrical Instruments. Readings of Strawe of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 17th–Noon.	29.778	28.929	84°0	77°4	6°6	74°8	0.849	0.75	81°5	80°8	SW	0.1					
1 p. m.	.752	.841	84.4	79.0	5 4	77.0	.911	.79	81.5	80.8	WSW	0.6					
2 „	.743	.922	78.0	75.0	3.0	73.8	.821	.87	79.0	80.7	W	0.2	0.03				
3 „	.733	.912	78.7	75.2	3.5	73·8	.821	.86	79.1	80.6	SSE	0.1					
4 „	.728	.918	79.0	75.0	4.0	73·3	.810	.84	79.1	80.6	„	0·2		None.	None.	None.	None.
5 „	.731	.883	79.1	76.0	3.1	74.8	.848	.87	79.2	80.6	S	0.1					
6 „	.736	.898	78.6	75.6	3.0	74.4	.838	.88	78.9	80.6	„	0.1					
7 „	.748	.941	75.8	74.0	1.8	73.2	·807	.92	78.0	80.5	W b N	0.2	0.44				
8 „	.766	.950	75.0	74.0	1.0	73.6	.816	.96	77.3	80.5	NW b N	0.0					
9 „	.789	29.001	77.5	74.0	3.5	72.5	.788	.85	77.3	80.4	NNW	0.1					
10 „	.790	28.982	75.7	74.0	1.7	73.3	.808	.93	77.0	80.4	„	0.1					
11 „	.785	.969	76.0	74.3	1.7	73.6	.816	.93	77.0	80.4	NE b N	0.2					
Sept. 18th–Midnight	.773	.968	76.0	74.0	2.0	73.2	.805	.91	76.9	80.3	ENE	0.1					
1 a. m.	.760	.952	75.7	74.0	1.7	73.3	.808	.93	76.9	80.3	„	0.0					
2 „	.748	.940	75.7	74·0	1.7	73.3	.808	.93	76.9	80.3	„	0.0					
3 „	.747	.960	75.3	73.3	2.0	72.5	.787	.91	76.7	80.2	„	0.0					
4 „	.745	·948	75.0	73.5	1.5	72.9	.797	.93	76.6	80·1	„	0.0					
5 „	.757	.952	76.0	74.0	2.0	73.2	.805	.91	76.8	80.0	„	0.2					
6 „	.778	.949	75.6	74.5	1.1	74.0	·829	.95	76.5	79.8	SW b W	0.1	0.06				
7 „	.804	.989	75·1	74.0	1.1	73.5	.815	.95	76.0	79.8	S b W	0.1	0.04				
8 „	.837	29·014	78.6	75.2	3·4	73.8	.823	.86	77.7	79.8	SSE	0.2	0.02				
9 „	.847	.006	78.3	75.6	2.7	74.5	.841	.89	78.0	79.9	SE b S	0.2	0·02				
10 „	.845	28.968	80.0	77.0	3.0	75.8	.877	.88	79.0	79.9	„	0.2					
11 „	.838	.952	82.1	77.8	4.3	76.1	.886	.83	80.0	80.0	„	0.2		None.	None.	None.	None.
Noon.	824	.938	83.6	78.2	5.4	76.1	.886	.79	81.0	80.2	„	0.2					
1 p. m.	.805	.935	84.3	78.0	6.3	75.6	.870	.76	81.4	80.3	SSW	0.2					
2 „	.785	.932	82.2	77.0	5.2	75.0	·853	.80	81.0	80.3	WSW	0.2					
3 „	.779	.950	84.4	77.0	7.4	74.1	.829	.72	81.6	80.4	„	0.2					
4 „	.775	·963	84.1	76.5	7.6	73.4	·812	.71	81.5	80.5	„	0.3					
5 „	.777	.933	83.0	77.0	6.0	74.6	.844	.77	81.0	80.5	„	0.2					
6 „	.779	.906	80.4	77.0	3.4	75.7	·873	.86	80.0	80.6	W b S	0.4					
7 „	.793	.973	79.1	75.3	3.8	73.7	·820	.84	79.4	80.6	W	0.2					
8 „	.812	.991	78.0	75.0	3.0	73.8	.821	.87	78.5	80.6	W b N	0.1					
9 „	.823	29.017	78.0	74.6	3.4	73.2	.806	.86	78.2	80.6	NW b W	0.1					
10 „	.823	.014	77.0	74.4	2.6	73.3	.809	.89	78.1	80.5	WNW	0.1					
11 „	.822	.043	76.0	73.3	2.7	72.1	.779	.88	77.2	80.4	„	0.1					
Sept. 19th–Midnight	.812	.031	75.5	73.2	2.3	72.2	.781	.90	77.0	80.4	WNW	0.1					
1 a. m.	.801	.021	75.5	73.1	2.4	72.2	.780	.90	76.8	80.3	„	0.0					
2 „	.793	.038	75.5	72.5	3.0	71.2	·755	.87	76.8	80.2	W b S	0.0					
3 „	.781	.000	75·5	73.2	2.3	72.2	.781	.90	76.6	80.2	SW	0.0					
4 „	.785	28.982	76.2	74.0	2.2	73.1	·803	·91	77·0	80.2	SSE	0.2					
5 „	.797	.998	76.5	74.0	2.5	73.0	.799	.89	77.0	80.2	SE b S	0.2					
6 „	.816	.968	76.6	75.3	1.3	74.8	·848	.94	77·2	80.0	SE	0.4					
7 „	.835	29.012	78.6	75.2	3.4	73.8	·823	.86	77·5	79.9	SE b E	0.4					
8 „	.856	.000	80.5	76.6	3.9	75.1	·856	.84	78.4	79.9	ESE	0.3					
9 „	.858	28 983	82.0	77.5	4.5	75.8	.875	.82	79.8	80 0	SE b E	0.2					
10 „	.858	.978	82.6	77.8	4.8	75.9	.880	.81	80.0	80.1	S	0.2					
11 „	.851	.974	83.6	78.0	5.6	75.8	.877	.78	80.9	80.2	S b W	0.2	None.	None.	None.	None.	None.
Noon.	.831	·926	85·3	79.1	6.2	76.8	.905	.77	81.9	80.3	WSW	0.2					
1 p. m.	.812	.920	84.6	78.6	6.0	76.4	.892	.77	81.9	80.3	W b W	0.4					
2 „	.791	.925	84.6	78.0	6.6	75.4	.866	.75	82.0	80.4	W	0.3					
3 „	.776	.942	85.4	77.4	8.0	74.3	.834	.70	82.1	80.6	W b N	0.2					
4 „	.768	.948	85·2	77.0	8.2	73.7	.820	.69	82.0	80.7	WNW	0.3					
5 „	.769	.883	83.6	78.2	5.4	76.1	.886	.79	81.5	80.8	NW	0.4					
6 „	.777	.905	81.2	77.2	4.0	75.6	·872	.84	81·0	80.8	„	0.5					
7 „	.792	.915	80 0	77.0	3.0	75.8	·877	.88	80·6	80.9	„	0.5					
8 „	.799	.938	79.7	76·5	3.2	75.2	.861	.87	80.0	80.9	„	0.4					
9 „	.814	.953	79·7	76.5	3.2	75.2	.861	.87	80.0	80.9	„	0.3					
10 „	.814	.965	79.0	76.0	3.0	74.8	.849	.88	79·4	80.9	„	0.4					
11 „	.811	.962	79.0	76.0	3.0	74·8	.849	.88	79·0	80.8	NW b N	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩∩ cumulo-strati; and ≀≀ nimbi.	
5	C	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
8	B	Overcast with ≀≀ moving E; rain fell from 1h. 20m. to 1h. 58m.	
8	B	Overcast; light drizzling rain from 2h. 32m. to 2h. 45m.	
8	B	Overcast with ≀≀ moving NE.	
8	B	Overcast with ≀≀ moving N.	
8	G	" "	
8	G	Overcast; rain fell from 6h. 27m. to 6h. 52m.	
8	G	Overcast; a few drops of rain fell at 7h. 00m.	
8	G	Overcast; a few stars dimly visible.	
8	C	Overcast with ≀≀ moving NE; a few stars dimly visible.	
8	C	" " "	
8	C	" " "	
8	C	Overcast with ≀≀ moving SE; a few stars dimly visible.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 83°2. Daily fall of rain by Osler's Gauge 0·16 in. 18th September was the 90th rainy day and the 36th day on which wind blew abnormally.
5	B	≀≀ scattered about moving E.	
5	B	" "	
3	B	" "	
5	B	" "	
8	G	Overcast with ≀≀ moving N; rain fell from 5h. 41m. to 5h. 54m.	
8	G	Overcast; drops of rain fell from 6h. 29m. to 6h. 49m.; rain-bow observed in NW.	
8	G	Overcast; drops of rain fell between 7h. 34m. to 7h. 50m.	
8	G	Overcast; rain commenced at 8h. 57m.	
8	C	Overcast; rain ceased at 9h. 7m.	
6	C	≀≀ and ≀≀ scattered about, the former moving N.	
5	C	" " "	
6	C	" " " [1h. 55m.	
4	B	≀≀ and ≀ scattered about, the former moving NNE; very light rain commenced at	
6	B	≀≀ scattered about moving ENE; rain ceased at 2h. 12m.	
3	B	≀≀ and ≀ scattered about, the former moving ENE.	
3	B	" " "	
6	G	" " "	
6	G	" " "	
4	G	" " "	
4	G	" " "	
3	C	≀≀ scattered about moving NE.	
3	C	≀≀ scattered about moving E.	
4	C	" "	
3	C	≀≀ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°1.
3	B	" "	
3	B	" "	
3	B	≀≀ scattered about moving ENE.	
1	B	≀≀ scattered around hor.	
0	G	A few ≀ scattered about hor.	
3	G	≀≀ and ≀ scattered about, the former moving E; mist in hor.	
3	G	" " "	
3	G	≀≀ and ≀ scattered about, the former moving NE; mist in hor.	
3	C	≀≀ and ≀ scattered about, the former moving NNE.	
4	C	Clouded as before.	
4	C	" "	
5	C	" "	
7	B	≀≀ scattered throughout moving ENE.	
5	B	≀≀, ≀≀ and ≀ scattered about, the former moving ENE.	
3	B	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
5	B	≀≀ and ≀ scattered about, the former moving E.	
5	G	" " "	
6	G	" " "	
5	G	≀≀, ≀≀, and ≀ scattered about, the former moving E.	
5	G	" " "	
5	G	" " "	
5	G	≀≀ scattered about moving E.	
3	G	≀≀ scattered about hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 21st-Midnight	29.761	28.987	77·8	73·7	4·1	71·9	0.774	0.83	78·7	80·8	W	0.1					
1 a. m.	.751	.976	77.5	73.6	3.9	71.9	.775	.84	78.6	80.8	„	0.0					
2 „	.743	.975	77.8	73.0	4.8	70.9	.748	.82	78.7	80.6	WNW	0.1					
3 „	.739	.982	77.7	73.2	4.5	71.2	.757	.81	78.7	80.6	W b N	0.2					
4 „	.738	.983	77.2	73.0	4.2	71.2	.755	.82	78.4	80.5	WNW	0.0					
5 „	.745	.892	77.2	75.6	1.6	75.0	.853	.93	78.4	80.4	„	0.0					
6 „	.755	.927	77.4	75·0	2.4	74.0	.828	.90	78.5	80.4	W b N	0.1					
7 „	.784	.943	78.3	75.6	2.7	74.5	.841	.89	79.0	80.3	„	0.1					
8 „	.802	.964	80.0	76.0	4.0	74.4	.833	.84	79.4	80.2	WNW	0.1					
9 „	.807	.989	81.8	76.0	5.8	73.6	·818	·77	80.1	80.3	„	0.1					
10 „	.806	29.009	82.7	75.7	7.0	72·9	.797	·73	80·6	80.4	W b N	0.1					
11 „	.788	.009	84.3	75.7	8.6	72.1	.779	·68	81.1	80.5	„	0.1					
Noon.	.766	28.984	85.1	76.0	9.1	72.2	.782	.67	81.8	80.6	W b S	0.1	None.	None.	None.	None.	None.
1 p. m.	.739	.902	83.6	77.0	6.6	74.4	.837	.75	81.5	80.6	WNW	0.2					
2 „	.723	.953	85.3	76.0	9.3	72.2	.789	.66	82.1	80.7	W	0.3					
3 „	.713	.933	85.3	76.0	9.3	72.2	.780	.66	82.1	80.8	„	0.3					
4 „	.713	.927	84.7	76.0	8.7	72.4	.786	.68	82.0	80.8	„	0.2					
5 „	.714	.842	83.3	77.8	5.5	75.6	·872	·79	81.0	80.9	„	0.1					
6 „	.735	.874	79.7	76.5	3.2	75.2	.861	.87	80.2	81.0	„	0.2					
7 „	.755	.932	78.6	75.2	3.4	73.8	·823	·86	79.0	81.0	„	0.1					
8 „	.777	.994	78.0	74.0	4.0	72.3	·783	·83	78.7	81.0	„	0.1					
9 „	.793	29.029	78.0	73.5	4.5	71.5	·764	.81	78.6	81·0	„	0.1					
10 „	.788	.021	77.4	73.4	4.0	71.6	·767	.83	78.5	80.9	„	0.1					
11 „	.780	.019	77.3	73·2	4.1	71.4	·761	.83	78.2	80.8	„	0.1					
Sept. 22nd-Midnight	.761	28.997	76.4	73.0	3.4	71.5	·764	.85	77.9	80.7	W	0.1					
1 a. m.	.752	29.006	75.8	72.3	3.5	70.8	·746	.85	77.3	80.6	„	0.0					
2 „	.736	28.966	75.8	73.0	2.8	71.8	·770	.88	77.3	80.5	„	0.1					
3 „	.733	.965	76.0	73.0	3.0	71·7	·768	.87	77.3	80.5	NW	0·3					
4 „	.734	.968	76.2	73.0	3.2	71.6	·766	.86	77.3	80.4	„	0.0					
5 „	.746	.982	76.4	73.0	3.4	71.5	·764	.85	77.3	80.4	NW b N	0.1					
6 „	.769	.970	76.5	74·0	2.5	73.0	·799	.89	77.0	80.3	„	0.1					
7 „	.791	.992	76.5	74.0	2.5	73.0	·799	.89	77.0	80.1	NNW	0·1					
8 „	.815	.974	78.3	75.6	2.7	74.5	·841	.89	77.5	80.0	N	0.2					
9 „	.824	.986	80.7	76.2	4.5	74.4	·838	.82	78.8	80.1	E b N	0.1					
10 „	.822	.958	81.2	77.0	4.2	75.4	·861	.83	79.5	80.2	„	0.1					
11 „	.806	.958	82.6	77.0	5.6	74.8	·848	.78	80.2	80.3	„	0.1					
Noon.	.783	.946	83.6	77.0	6.6	74.4	·837	.75	80.8	80.4	SW	0.2	None.	None.	None.	None.	None.
1 p. m.	.765	.907	85.4	78.0	7.4	75.1	·858	·72	82.0	80.5	„	0.1					
2 „	.742	.929	85.8	77.0	8.8	73.5	·813	.68	82.2	80.6	WSW	0.2					
3 „	.725	.929	85.6	76.5	9.1	72.8	·796	.63	82.1	80.7	W	0.3					
4 „	.721	.925	85.6	76.5	9.1	72.8	·796	·66	82.1	80.8	„	0.2					
5 „	.722	.943	84·3	75.7	8.6	72.1	·779	.68	82.0	80.8	„	0.1					
6 „	.735	.908	81.0	76.0	5.0	74.0	·827	.80	80.0	81.0	„	0.1					
7 „	.767	.894	80.4	77.0	3.4	75.7	·873	.86	80.0	81.0	„	0.1					
8 „	.784	.961	78.6	75.2	3.4	73.8	·823	.86	79.5	81.0	„	0.1					
9 „	.804	29.050	78.3	73.3	5.0	71.1	·754	.79	79.1	80.9	„	0.1					
10 „	.796	.033	78·1	73.5	4.6	71.5	·763	.81	78.8	80.8	„	0.1					
11 „	.787	.027	77.4	73.2	4.2	71.4	·760	.82	78.4	80.7	„	0.1					
Sept. 23rd-Midnight	.778	.016	77.2	73.2	4.0	71.4	·762	.83	77.9	80.6	W b S	0.1					
1 a. m.	.768	.011	77.0	73.0	4·0	71·2	·757	.83	77.9	80.6	W	0·0					
2 „	.758	.001	77.0	73·0	4.0	71.2	·757	.83	77.9	80.6	„	0.2					
3 „	.752	.018	77.4	72.5	4.9	70.3	·734	.80	78.0	80.5	„	0.2					
4 „	.752	.003	77.7	73.0	4.7	70.9	·749	.81	78.3	80.5	WNW	0.0	None.	None.	None.	None.	None.
5 „	.762	28·956	78.0	74.6	3.4	73.2	.806	.86	78.4	80·4	W b N	0.1					
6 „	.782	.952	77.2	75.0	2.2	74.1	·830	.91	78.0	80.2	W	0·1					
7 „	.812	.984	77.4	75.0	2.4	74.0	·828	.90	78·0	80.2	„	0.1					
8 „	.830	29.031	80.0	75.0	5.0	73·9	·799	.80	80.0	80.2	„	0.2					
9 „	.845	28.996	82.5	77.0	5.5	74.8	.840	.79	80.7	80.3	„	0.2					
10 „	.844	29.017	83.5	76.7	6 8	74.0	·827	.74	81.2	80.4	W b N	0.1					
11 „	.835	.019	83.8	76.5	7.3	73.6	·816	.72	81.2	80.5	„	0.1					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀≀ nimbi.	
8	C	Overcast with ≀≀ moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°0.
8	B	" " "	
8	B	" " "	
8	B	Overcast with ≀≀ moving ESE.	
8	B	Overcast; a few stars dimly visible.	
8	G	" " "	
8	G	Overcast with ≀≀; mist in hor.	
8	G	Overcast with ≀≀ moving E; mist in hor.	
8	G	" " "	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
8	C	Overcast with ≀≀ and ≀≀, the former moving E.	
8	C	≀≀, ≀≀ and ≀ scattered about, the former moving E.	
7	C	" " " "	
5	B	≀≀ scattered about moving E.	
5	B	" " "	
4	B	" " "	
3	B	≀≀ scattered about hor.	
3	G	" "	
4	G	≀≀ and ≀ scattered about, the former moving E.	
3	G	≀≀ and ≀≀ scattered about hor.	
5	G	≀≀ and ≀≀ scattered about, the former moving E.	
5	C	Clouded as before.	
6	C	" "	
6	C	" "	
4	C	≀≀ above W hor.; ≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°1. On the 22nd, at 1h. A.M., temperature of Evaporation was 72·3, being lowest in the month.
3	B	≀≀ scattered about moving E.	
6	B	≀≀ scattered about moving SE.	
6	B	≀≀ scattered about moving ESE.	
7	B	≀≀ scattered about moving E.	
7	G	" " "	
8	G	Overcast with ≀≀ moving E; a few drops of rain fell at 6h. 8m.	22nd September was the 15th day on which the fall of rain was less than 0·01 inch, and 37th day on which wind blew abnormally.
8	G	Overcast; no rain.	
8	G	" "	
8	C	Overcast with ≀≀ moving ENE.	
5	C	≀≀ and ≀ scattered about, the former moving NE.	
5	C	" " " "	
5	C	≀≀, ≀≀ and ≀ scattered about, the former moving NE.	
5	B	≀≀ around hor.; ≀≀ scattered about moving WNW.	
5	B	" " "	
3	B	≀≀ and ≀≀ scattered about, the former moving E.	
3	B	" " "	
4	G	" " "	
6	G	" " "	
5	G	≀≀ scattered about moving E.	
5	G	" " "	
3	C	" " "	
3	C	" " "	
3	C	" " "	
3	C	≀≀ scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°8 and 83°1. On the 23rd, at 3h. A.M., temperature of Dew-Point was 70·3 lowest in the month.
3	B	" "	
3	B	≀≀ scattered about moving ESE.	
4	B	" " "	
4	B	" " "	
6	G	≀≀ scattered about moving ENE; a few drops of rain fell at 5h. 52m.	23rd September was the 16th day on which the fall of rain was less than 0·01 inch.
6	G	≀≀ scattered about moving SE.; a few drops of rain fell at 6h. 32m.	
6	G	≀≀ scattered about moving WSW.	
6	G	" " "	
6	C	" " "	
6	C	" " "	
6	C	" " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 23rd-Noon.	29.819	29.016	84°6	76°4	8°2	73°1	0.803	0.69	81°5	80°5	W b N	0.1					
1 p. m.	.794	.041	84.9	75.2	9.7	71.1	.753	.65	82.0	80.6	WNW	0.1					
2 „	.775	.014	85.6	75.6	10.0	71.4	.761	.64	82.0	80.8	„	0.2					
3 „	.756	28.965	86.0	76.5	9.5	72.6	.791	.66	82.4	81.0	NW	0.3					
4 „	.758	.979	85.4	76.0	9.4	72.1	.779	.65	82.2	81.0	„	0.2					
5 „	.762	.957	84.6	76.4	8.2	73.1	.803	.69	82.0	81.1	„	0.1	None.	None.	None.	None.	None.
6 „	.773	.952	81.5	76.0	5.5	73.8	.821	.78	81.2	81.1	„	0.1					
7 „	.796	.969	81.0	76.0	5.0	74.0	.827	.80	80.2	81.2	„	0.1					
8 „	.807	29.008	80.0	75.0	5.0	73.0	.799	.80	80.0	81.1	„	0.1					
9 „	.825	.024	79.8	75.0	4.8	73.0	.801	.81	79.8	81.0	„	0.1					
10 „	.825	.022	79.6	75.0	4.6	73.1	.803	.81	79.7	80.9	„	0.1					
11 „	.817	.014	79.6	75.0	4.6	73.1	.803	.81	79.7	80.8	NW b W	0.2					
Sept.24th-Midnight	.809	28.999	79.0	75.0	4.0	73.3	.810	.84	79.4	80.8	W b N	0.1					
1 a. m.	.798	29.010	79.3	74.5	4.8	72.5	.788	.80	79.6	80.8	WNW	0.1					
2 „	.786	28.992	78.8	74.5	4.3	72.8	.794	.82	79.3	80.8	„	0.2					
3 „	.781	.958	78.6	75.2	3.4	73.8	.823	.86	79.0	80.8	NW b W	0.3					
4 „	.780	.946	78.6	75.5	3.1	74.3	.834	.87	79.0	80.8	WNW	0.4					
5 „	.808	29.027	78.2	74.0	4.2	72.2	.781	.83	79.0	80.7	NW b W	0.2					
6 „	.836	.055	78.2	74.0	4.2	72.2	.781	.83	78.5	80.6	„	0.3					
7 „	.863	.073	79.6	74.6	5.0	72.6	.790	.80	79.2	80.6	NW b N	0.2					
8 „	.883	.081	79.7	75.0	4.7	73.0	.802	.81	79.3	80.6	NW	0.6					
9 „	.887	.085	79.7	75.0	4.7	73.0	.802	.81	79.3	80.6	„	0.3					
10 „	.897	.087	79.0	75.0	4.0	73.3	.810	.84	79.0	80.5	„	0.2	0.14				
11 „	.890	.080	79.0	75.0	4.0	73.3	.810	.84	79.0	80.5	NNW	0.2	0.02				
Noon.	.860	.024	81.6	76.4	5.2	74.3	.836	.80	80.3	80.6	NW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.829	.050	82.6	75.2	7.4	72.1	.779	.72	81.0	80.6	NW	0.3					
2 „	.820	.054	83.0	75.0	8.0	71.6	.766	.70	81.2	80.6	„	0.3					
3 „	.797	.044	84.9	75.2	9.7	71.1	.753	.65	81.8	80.7	„	0.2					
4 „	.803	.000	84.6	76.4	8.2	73.1	.803	.69	81.5	80.9	„	0.4					
5 „	.802	.015	83.2	75.6	7.6	72.5	.787	.71	81.1	81.0	„	0.4					
6 „	.816	.056	80.7	74.2	6.5	71.4	.761	.74	80.7	81.0	„	0.4					
7 „	.827	.066	80.0	74.0	6.0	71.4	.761	.76	80.3	81.0	„	0.3					
8 „	.834	.069	79.6	74.0	5.6	71.6	.765	.78	79.8	81.0	NW b N	0.2					
9 „	.856	.091	79.6	74.0	5.6	71.6	.765	.78	79.5	81.0	„	0.3					
10 „	.855	.045	79.0	75.0	4.0	73.3	.810	.84	79.4	81.0	„	0.2					
11 „	.852	.063	78.5	74.3	4.2	72.6	.789	.83	79.1	80.9	„	0.1					
Sept.25th-Midnight	.836	.046	78.4	74.3	4.1	72.6	.790	.83	79.0	80.8	NW b N	0.2					
1 a. m	.830	.040	78.4	74.3	4.1	72.6	.790	.83	79.0	80.7	„	0.2					
2 „	.816	.029	77.6	74.0	3.6	72.5	.787	.85	78.5	80.6	„	0.2					
3 „	.817	.043	77.0	73.5	3.5	71.9	.774	.85	78.0	80.6	N b E	0.1					
4 „	.818	.023	76.9	74.0	2.9	75.8	.795	.88	77.7	80.5	„	0.1					
5 „	.830	28.979	76.7	75.4	1.3	74.9	.851	.94	77.5	80.4	„	0.2					
6 „	.847	.996	76.7	75.4	1.3	74.9	.851	.94	77.5	80.3	„	0.1					
7 „	.865	.992	78.6	76.5	2.1	75.7	.873	.91	78.0	80.2	„	0.1					
8 „	.879	29.002	80.0	77.0	3.0	75.8	.877	.88	79.2	80.3	NNE	0.1					
9 „	.897	.030	82.4	77.4	5.0	75.5	.867	.80	80.0	80.4	„	0.1					
10 „	.891	.007	83.0	78.0	5.0	76.1	.884	.80	81.0	80.4	„	0.2					
11 „	.874	.017	83.7	77.5	6.2	75.1	.857	.76	81.4	80.5	„	0.2	None.	None.	None.	None.	None.
Noon.	.848	28.978	84.6	78.1	6.5	75.6	.870	.75	82.0	80.6	W b N	0.2					
1 p. m.	.814	.960	85.8	78.0	7.8	75.0	.854	.71	82.4	80.8	NW	0.4					
2 „	.790	.933	86.2	78.2	8.0	75.1	.857	.70	83.0	81.0	„	0.5					
3 „	.785	.946	85.6	77.6	8.0	74.4	.839	.70	82.8	81.2	„	0.6					
4 „	.782	.958	84.8	77.0	7.8	73.9	.824	.71	82.5	81.2	„	0.6					
5 „	.775	.959	83.4	76.4	7.0	73.6	.816	.73	82.0	81.2	„	0.6					
6 „	.791	.964	81.0	76.0	5.0	74.0	.827	.80	80.8	81.3	„	0.5					
7 „	.807	.954	80.6	76.5	4.1	75.0	.853	.84	80.5	81.4	NW b N	0.6					
8 „	.812	.959	80.6	76.5	4.1	75.0	.853	.84	80.5	81.4	„	0.7					
9 „	.835	.997	80.4	76.1	4.3	74.4	.838	.83	80.4	81.3	NW	0.6					
10 „	.835	.999	80.2	76.0	4.2	74.3	.836	.83	80.4	81.3	„	0.4					
11 „	.827	.997	80.0	75.8	4.2	74.1	.830	.83	80.3	81.3	„	0.5					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ≀∩ cirro-strati; ∩∩ cumulo-strati; and ≀∩ nimbi.	
7	C	≀≀ and ≀≀ scattered about, the former moving WSW.	
5	B	≀≀ around hor. and ≀≀ scattered about the sky.	
4	B	" " "	
3	B	∩ along the E. hor.; ≀≀ and ≀≀ scattered about, the former moving E.	
3	B	" " " " "	
5	G	≀≀ around hor. and ≀≀ scattered about.	
5	G	" " "	
5	G	" " "	
1	G	≀≀ scattered about hor.	
5	C	≀≀ scattered about moving E.	
7	C	" "	
5	C	" "	
6	C	≀≀ scattered throughout moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°0. On the 24th, at 10h. A.M., Barometer was 29.897, being highest in the month. 24th September was the 91st rainy day.
6	B	" "	
3	B	≀≀ scattered about hor. moving E.	
6	G	≀≀ scattered about moving E.	
5	G	" " "	
5	C	" " "	
5	C	" " "	
6	B	≀≀ and ≀≀ scattered about, the former moving SE.	
8	B	Overcast with ≀≀ moving ESE.	
8	G	Overcast with ≀≀ moving ESE; drops of rain fell between 9h. 39m. and 9h. 56m.	
8	G	Overcast; rain fell from 10h. 14m. to 10h. 42m.	
8	C	Overcast; no rain.	
8	C	" "	
5	B	≀≀ around hor.; ≀≀ scattered here and there.	
5	B	" " "	
6	G	≀≀ and ≀≀ scattered about, the former moving E.	
5	G	≀≀ around hor. and ≀≀ scattered about.	
4	C	≀≀ scattered around hor.; ≀ and ≀≀ scattered here and there.	
4	C	" " " "	
3	B	≀≀ and ≀≀ scattered about hor.	
5	B	≀≀ scattered about moving ESE.	
5	G	" " "	
4	G	≀≀ around hor. and ≀ scattered about.	
4	C	≀≀ around hor.; ≀ and ≀≀ scattered about.	
5	C	≀≀ scattered about the sky.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°0.
5	B	≀≀ scattered about moving SE.	
5	B	" " "	
3	B	≀≀ around hor.; ≀ scattered here and there.	
1	B	≀≀ scattered about hor.	
6	G	≀ scattered throughout; dew falling.	
6	G	≀ scattered about; mist around hor.	
6	G	≀≀ and ≀ scattered about.	
6	G	" "	
6	C	" "	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving NW.	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving N.	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving NE.	
5	B	≀≀ scattered about moving ESE.	
4	B	≀≀ and ≀ scattered about, the former moving SE.	
5	B	" " "	
5	B	" " "	
6	G	≀≀ around hor., ≀ scattered throughout the sky.	
7	G	∩ in NE hor., ≀≀ and ≀ scattered about the sky.	
7	G	" " "	
7	G	" " "	
6	C	≀≀ and ≀ scattered about, the former moving ESE.	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving ESE.	
6	C	" " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawsof Volta 1.	Electrical Instruments. Readings of Strawsof Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Sept.26th-Midnight	29.813	28.983	80°0	75°8	4°8	74°1	0.830	0.83	80°3	81°2	NW b W	0.6					
1 a. m.	.797	.993	79.5	75·0	4.5	73.1	.804	.82	80.0	81.1	„	0.5					
2 „	.788	.980	79.2	75.0	4.2	73.3	.808	.83	79.6	81.1	„	0.5					
3 „	.778	.975	79.0	74.8	4.2	73.1	.803	.83	79.5	81.1	NW b N	0.4					
4 „	.780	.980	78.6	74.6	4.0	73.0	.800	.84	79.3	81.0	„	0.3					
5 „	.788	.923	79.3	76.5	2.8	75.4	.865	.88	79.4	80.9	„	0.3					
6 „	.798	.938	79.5	76.2	3.3	75.2	.860	.86	79.5	80.8	„	0.4					
7 „	.828	.975	79.7	76.3	3.4	75.0	.853	.86	80.4	80.8	„	0.3					
8 „	.845	·992	80.6	76.5	4.1	75·0	.853	.84	80.5	80.8	„	0.2					
9 „	.859	29.005	83.6	77.4	6·2	75.0	.854	.76	81.0	80.9	„	0.2					
10 „	.857	.026	84.2	77.0	7.2	74.1	.831	.73	82.0	81.0	N b W	0.3	None.	None.	None.	None.	None.
11 „	.848	28.989	85.3	78.0	7.3	75.2	.859	.73	82.5	81.1	NW b N	0.3					
Noon.	.823	.952	85.3	78·3	7.0	75.6	.871	.74	82.5	81.2	NW	0·5					
1 p. m.	.804	.976	86.3	77.5	8.8	74.0	.828	.68	82.5	81.3	NW b N	0.6					
2 „	.781	.933	86.3	78.0	8.3	74.8	.848	.69	83.0	81.4	„	0.5					
3 „	.765	.950	85.6	77.0	8.6	73.5	.815	.68	83.0	81.6	„	0.6					
4 „	.759	.978	85.2	76·0	9.2	72.2	.781	.66	82.8	81.6	NW	0.7					
5 „	.769	.989	83.5	75.5	8.0	72.2	.780	.70	82.2	81.6	„	0.7					
6 „	.777	.984	81.3	75.2	6.1	72.7	.793	.76	81.6	81.6	„	0.7					
7 „	.803	·998	80.2	75.2	5.0	73.2	.805	.80	81.4	81.6	„	0.4					
8 „	·828	29.008	80.2	75.6	4.6	73.7	.820	.81	81.3	81.6	„	0·4					
9 „	.840	.002	80.0	76·0	4.0	74.4	.838	.84	81.3	81.5	NW b W	0.3					
10 „	.838	28.996	79.6	76.0	3.6	74.6	.842	.85	80.2	81.4	„	0.2					
11 „	.833	.991	79.6	76.0	3.6	74.6	.842	.85	80.0	81.3	„	0.3					
Sept.28th-Midnight	.821	.953	79.0	76.5	2.5	75.5	.868	.90	79.9	81.4	NW	0·1					
1 a. m.	.810	.979	77.8	75.2	2.6	74.1	.831	.89	79.1	81.3	„	0.0					
2 „	.794	.971	77.8	75.0	2.8	73.8	.823	.88	79.1	81·2	„	0.0					
3 „	.794	.947	77.8	75.6	2·2	74·7	.847	.90	79.1	81.2	„	0.0					
4 „	.791	.963	77.4	75.0	2.4	74.0	.828	.90	78.7	81.2	NW b N	0.0					
5 „	.799	29.037	77.2	73.2	4.0	71.4	.762	.83	78.5	81.0	„	0.1					
6 „	.815	28.981	77.6	75.2	2.4	74.3	.834	.90	78.5	80.9	„	0.2					
7 „	.837	29.016	78.0	75.0	3.0	73.8	.821	.87	78.7	80.9	„	0.2					
8 „	.852	28.999	80.6	76.5	4.1	75.0	.853	.84	79.4	80.9	„	0.2					
9 „	.866	29.045	79·8	75.5	4.3	73.8	.821	.83	79.4	80.9	NNW	0.1	0.01				
10 „	.865	.010	82.0	77.0	5.0	75.0	.855	.80	80.0	81.0	N b W	0.2					
11 „	.857	28.990	83.8	77.8	6.0	75.5	.867	.77	81.0	81.1	NW	0.1	None.	None.	None.	None.	None.
Noon.	.833	.998	84.2	77.1	7.1	74.3	.835	.73	81.5	81.1	„	0.4					
1 p. m.	.812	.970	85.0	77.5	7.5	74.6	.842	.72	82.0	81.2	NW b N	0.2					
2 „	.795	.977	85.4	77.0	8.4	73.6	.818	.69	82·5	81.2	„	0.2					
3 „	.785	.987	85.0	76.4	8.6	72.9	.798	.68	82.3	81.3	„	0.2					
4 „	.783	.985	85.0	76.4	8.6	72.9	.798	.68	82.3	81.4	„	0.3					
5 „	.777	·910	83·8	77.8	6.0	75.5	.867	.77	81.8	81.5	NNW	0.5					
6 „	.782	.926	80.5	76·6	3.9	75.1	.856	.84	80.7	81.6	NW b N	0.4					
7 „	.793	.932	79.7	76.5	3.2	75.2	.861	.87	80.0	81.6	NNW	0.3					
8 „	.817	.968	79.0	76.0	3.0	74.8	.849	.88	80.0	81.5	„	0.2					
9 „	.829	.980	79.0	76.0	3.0	74.8	.849	.88	79.9	81.4	„	0.1					
10 „	.831	.998	78.7	75·5	3.2	74.2	·833	·87	79.8	81.3	„	0.2					
11 „	.828	29.005	78.2	75.1	3.1	73.8	·823	.87	79.3	81.2	„	0.1					
Sept.29th-Midnight	.826	.000	77.5	75.0	2.5	74.0	.826	.89	78.6	81.2	NNW	0.1					
1 a. m.	.815	.006	77.0	74.2	2.8	73.3	.809	.88	78·5	81.2	„	0.0					
2 „	.796	28.998	76.6	74.0	2.6	72.9	.798	.89	78.1	81.1	„	0.0					
3 „	.788	.983	76.0	74.0	2.0	73.2	.805	.91	77.6	81.0	„	0.0					
4 „	.786	.981	76.0	74 0	2.0	73.2	.805	.91	77.6	81.0	„	0.0					
5 „	.794	.965	75.6	74 5	1.1	74.1	.829	.95	77.3	80.8	„	0.2	None.	None.	None.	None.	None.
6 „	.803	29.005	76.6	74.0	2.6	72.9	.798	.89	77.6	80.8	NE b E	0.1					
7 „	.840	28.997	76·7	75.2	1·5	74·6	.843	.94	77.8	80.7	„	0.1					
8 „	.859	29.038	79.8	75.5	4.3	73.8	.821	.83	79.0	80.7	„	0.3					
9 „	.874	.036	80.0	76.0	4.0	74.4	.838	.84	79.3	80.8	„	0.2					
10 „	.873	.016	82·2	77.1	5.1	75.1	.857	.80	80.4	80.8	„	0.2					
11 „	.855	.050	83.0	76·0	7.0	73.2	.805	.73	81.0	80.9	NNW	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
5	C	≀≀ and ≀≀ scattered about, the former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°0.
5	B	≀≀ scattered about moving SE.	
4	B	" "	
6	B	" "	
6	B	≀≀ and ≀≀ scattered about, the former moving SE.	
6	G	" " "	
6	G	" " "	
6	G	Clouded as before; light mist along E hor.	
6	G	" " "	
8	C	Overcast with ≀≀, ≀≀, and ≀ scattered about, the former moving SE.	
8	C	" " "	
8	C	" " "	
8	C	" " "	
5	B	≀≀ around hor.; ≀ scattered about.	
4	B	∩ along the E hor.; ≀≀ around hor.; ≀ scattered about.	
5	B	∩ along the E hor.; ≀≀ and ≀≀ scattered about.	
6	B	∩ along the E hor.; ≀≀, ≀≀, and ≀ scattered about.	
6	C	" " "	
7	C	" " "	
8	C	" " "	
8	C	" " "	
8	C	Overcast; lunar-halo observed at 9h.	
8	C	Overcast with ≀≀ and ≀, the former moving SE.	
7	C	" " "	
7	C	Densely clouded with ≀≀, ≀≀ and ≀, the former moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 82°7 and 83°0. Daily fall of rain by Osler's Gauge 0·01 in. 28th September was the 92nd rainy day.
4	B	≀≀ around hor.; ≀≀ scattered about moving N; dew falling.	
7	B	" " " "	
6	B	≀≀ around hor.; ≀≀ scattered about moving N; dew falling.	
5	B	≀≀ and ≀≀ scattered about, the former moving SE; dew falling.	
6	G	" " " "	
6	G	" " " "	
5	G	≀≀ and ≀≀ scattered about, the former moving SE.	
7	G	Densely clouded with ≀≀ moving ESE; rain fell from 8h. 22m. to 8h. 41m.	
6	C	≀≀ and ≀≀ scattered about, the former moving SE.	
6	C	≀≀, ≀≀ and ≀ scattered about, the former moving SE.	
6	C	" " "	
5	C	≀≀, ≀≀ and ≀ scattered about, the former moving SE.	
4	B	∩ along the E hor.; ≀≀ and ≀≀ scattered about.	
4	B	" " "	
3	B	" "	
2	B	∩ along the E hor. and ≀≀ scattered around hor.	
2	G	" " " "	
1	G	∩ along the E hor.; ≀≀ scattered here and there.	
1	G	" " "	
2	G	" " "	
5	C	" " "	
2	C	≀≀ scattered about the sky.	
2	C	" "	
4	C	≀≀, ≀≀ and ≀ scattered about, the former moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°0.
3	B	≀≀ scattered about moving N.	
1	B	≀≀ scattered about hor.	
1	B	≀≀ scattered about; dew falling.	
3	B	" "	
3	G	" "	
3	G	≀≀ scattered about; mist around hor.	
6	G	≀≀ and mist around hor.; ≀≀ scattered about; mist in hor.	
6	G	≀≀ along the E hor.; ≀ and ≀≀ scattered about; mist in hor.	
8	C	≀≀ and ≀≀ scattered about, the former moving S.	
7	C	" " " "	
5	C	≀≀ scattered along the E hor; ≀≀ scattered about.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Sept. 29th-Noon.	29.831	29.022	83°4	76°2	7°2	73°3	0.809	0.73	81°3	80°9	NW	0.2					
1 p. m.	.810	.016	84.0	76.0	8.0	72.8	.794	.70	81.5	81.0	,,	0.2					
2 ,,	.787	28.965	85.0	77.0	8.0	73.8	.822	.70	82.0	81.2	,,	0.2					
3 ,,	.779	957	85.0	77.0	8.0	73.8	.822	.70	82.0	81.2	,,	0.3					
4 ,,	.766	.964	85.0	76.5	8.5	73.0	.802	.68	82.0	81.3	,,	0.3					
5 ,,	.772	.894	83.6	78.0	5.6	75.9	.878	.78	81.5	81.4	,,	0.2					
6 ,,	.774	.902	81.2	77.2	4.0	75.6	.872	.84	81.0	81.4	NW b N	0.1	None.	None.	None.	None.	None.
7 ,,	.787	.949	80.0	76.0	4.0	74.4	.838	.84	80.0	81.4	,,	0.4					
8 ,,	.809	.949	79.5	76.2	3.3	75.2	.860	.86	80.0	81.4	,,	0.3					
9 ,,	.831	29.023	79.2	75.0	4.2	73.3	.808	.83	79.6	81.3	,,	0.2					
10 ,,	.831	.019	78.8	75.0	3.8	73.4	.812	.84	79.4	81.2	,,	0.1					
11 ,,	.823	.011	78.8	75.0	3.8	73.4	.812	.84	79.4	81.1	,,	0.2					
Sept. 30th-Midnight	.806	28.992	78.6	75.0	3.6	73.5	.814	.85	79.2	81.1	NNW	0.1					
1 a. m.	.794	29.011	78.0	74.0	4.0	72.3	.783	.83	78.6	81.0	,,	0.0					
2 ,,	.783	28.993	77.4	74.0	3.4	72.6	.790	.86	78.4	81.0	,,	0.0					
3 ,,	.779	.985	77.0	74.0	3.0	72.8	.794	.87	78.2	80.9	,,	0.0					
4 ,,	.778	.982	76.8	74.0	2.8	72.8	.796	.88	78.1	80.8	,,	0.0					
5 ,,	.782	.939	76.7	75.2	1.5	74.6	.843	.94	78.0	80.7	,,	0.2					
6 ,,	.810	.965	76.6	75.2	1.4	74.7	.845	.94	77.7	80.6	,,	0.1					
7 ,,	.830	.970	79.5	76.2	3.3	75.2	.860	.86	78.6	80.6	N b W	0.2					
8 ,,	.858	29.065	81.3	75.2	6.1	72.7	.793	.76	78.8	80.6	NE b N	0.1	None.	None.	None.	None.	None.
9 ,,	.869	.049	81.6	76.0	5.6	73.7	.820	.78	79.7	80.6	,,	0.1					
10 ,,	.867	.055	82.4	76.0	6.4	73.4	.812	.75	80.4	80.7	NW b W	0.3					
11 ,,	.854	.038	83.0	76.3	6.7	73.6	.816	.74	81.0	80.8	NNW	0.2					
Noon.	.831	.009	85.0	77.0	8.0	73.8	.822	.70	82.0	80.9	NW b W	0.3					
1 p. m.	.807	28.975	84.8	77.2	7.6	74.2	.832	.71	82.0	81.0	NW	0.2					
2 ,,	.782	.990	85.6	76.4	9.2	72.7	.792	.66	82.3	81.2	,,	0 3					
3 ,,	.770	.982	85.3	76.3	9.3	72.5	.788	.66	82.3	81.3	,,	0·2					
4 ,,	.770	.991	85.4	76.0	9.4	72.1	.779	.66	82.4	81.3	,,	0.2					
5 ,,	.773	.979	84.0	76.0	8.0	72.8	.794	.70	82.0	81.3	,,	0.3					
6 ,,	.778	.957	81.5	76.0	5.5	73.8	.821	.78	81.7	81.3	,,	0.2					
7 ,,	.805	.952	80.6	76.5	4.1	75 0	.853	.84	81 0	81.4	NNW	0.3					
8 ,,	.816	.939	80.0	77.0	3.0	75.8	.877	.88	80 7	81.4	,,	0.2					
9 ,,	.830	.989	79.7	76.0	3.7	74·5	.841	.85	80.4	81.3	,,	0.2					
10 ,,	.828	.991	79·3	75.8	3·5	74.4	.837	.86	80.0	81.3	,,	0.3					
11 ,,	.805	.966	79.2	75.8	3.4	74.4	.839	.86	80.0	81.3	,,	0.3					
Oct. 1st-Midnight	.781	.960	78.0	75.0	3.0	73.8	.821	.87	79.4	81.3	NNW	0.2					
1 a. m.	.777	.952	77.6	75.0	2·6	73.9	.825	.89	79.0	81.2	,,	0.1					
2 ,,	.773	.945	77.4	75.0	2.4	74.0	.828	.90	78.5	81.2	N b E	0.0					
3 ,,	.767	.939	77.4	75.0	2·4	74.0	.828	.90	78.5	81.2	,,	0.0					
4 ,,	.765	.965	77.2	75.0	2 2	74.1	.830	.91	78.3	81.1	,,	0.0					
5 ,,	.776	.986	77.4	74.0	3.4	72.6	.790	.86	78.3	81.0	,,	0.1					
6 ,,	.792	29.002	77.4	74.0	3.4	72.6	.790	.86	78.0	80.9	,,	0.2					
7 ,,	.810	28.998	78.8	75.0	3.8	73.4	.812	.84	78·5	80.8	,,	0.1					
8 ,,	.838	.985	80.6	76.5	4.1	75.0	.853	.84	79·6	80.9	,,	0.1					
9 ,,	.856	.994	81.4	77.0	4 4	75.3	.862	.82	80.6	80.9	NNE	0.2					
10 ,,	.850	29.006	83.0	77.0	6.0	74.6	.844	.77	81.1	81.0	,,	0.1					
11 ,,	.839	28.995	83.0	77.0	6.0	74.6	.844	.77	81.5	81.1	,,	0.1					
Noon.	.801	.943	83.6	77.5	6.1	75.1	.858	.76	82.0	81.1	NW b W	0.1	None.	None.	None.	None.	None.
1 p. m.	.768	.929	85.6	77.6	8.0	74.4	.839	.70	82.2	81.2	NW b N	0.2					
2 ,,	.739	.878	85.8	78.2	7.6	75.2	.861	.72	82 5	81.3	,,	0.2					
3 ,,	.735	.874	86.6	78.4	8.2	75·2	.861	.70	83.0	81.4	,,	0.2					
4 ,,	.741	.889	85.2	77.8	7.4	74.9	.852	.72	83.0	81.5	,,	0.3					
5 ,,	.748	.910	83.5	77.0	6.5	74.4	.838	.75	82.3	81.6	,,	0.3					
6 ,,	.759	.928	80.6	76.0	4.6	74.1	.831	.82	80.9	81.5	,,	0.3					
7 ,,	.778	.988	80.0	74.8	5.2	72.6	.790	.78	80.5	81.5	,,	0.3					
8 ,,	.794	29 031	79.8	74.0	5.8	71.5	.763	.77	80.3	81.4	NNW	0.3					
9 ,,	.795	.032	79.8	74.0	5·8	71.5	.763	.77	80.2	81.4	,,	0.2					
10 ,,	.784	28.976	79.2	75·0	4.2	73.3	.808	.83	80.0	81.4	,,	0.4					
11 ,,	.778	.968	79.0	75.0	4.0	73·3	.810	.84	79 7	81.4	,,	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ⌣ nimbi.	Remarks.
4	C	∩ in E hor.; ≀≀ and ≀≀ scattered about.	
2	B	∩ and ≀≀ scattered about hor.	
2	B	" " "	
2	B	" " "	
2	B	" " "	
2	G	" " "	
2	G	∩ along the E hor.; ⌣ around hor.	
2	G	" " "	
2	G	≀ and ≀≀ scattered about hor.	
4	C	≀ and ≀≀ scattered about.	
4	C	" " "	
6	C	≀≀ and ≀ scattered about, the former moving E.	
6	C	≀ and ≀≀ scattered about, the latter moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°0.
5	B	≀≀ scattered about the sky.	
4	B	" "	
2	B	≀ and ≀≀ scattered about hor.	
1	B	Clouded as before; dew falling.	
0	G	Cloudless; dew falling.	
2	G	≀ and ≀≀ scattered about hor.; dew falling.	
2	G	Clouded as before.	
2	G	" "	
3	C	≀≀ above N hor.; ≀≀ along the E hor.; ≀ scattered about.	
4	C	≀≀ and ≀≀ scattered about hor.; ≀ scattered here and there.	
5	C	∩ in NE hor.; ≀≀ scattered about moving ESE.	
6	C	∩ along E hor.; ≀≀ and ≀≀ scattered about, the former moving ESE.	
5	B	∩ along the E hor.; ≀≀ scattered about moving N.	
6	B	" " "	
5	B	" " "	
4	B	" " "	
6	G	∩ in E hor.; ≀ and ≀≀ scattered about.	
6	G	" "	
5	G	≀≀ and ≀ scattered about.	
5	G	" "	
4	C	" "	
3	C	" "	
6	C	≀≀ and ≀ scattered about, the former moving NE.	
5	C	≀≀ and ≀ scattered about, the former moving NE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°1.
6	B	" " "	
7	B	≀≀ scattered about, moving SE; dew falling.	
3	B	≀≀ and ≀ scattered about, the former moving SE; dew falling.	
3	B	" " "	
6	G	" " "	
6	G	Clouded as before; mist in hor.	
5	G	≀≀ scattered about moving ESE; mist in hor.	
7	G	≀≀ and ≀ scattered about, the former moving ESE.	
7	B	≀≀ above N hor.; ≀≀ scattered about.	
7	B	≀≀ and ≀≀ scattered about, the former moving SSW.	
7	B	≀≀ scattered about moving S.	
7	B	≀≀ scattered about moving SE.	
7	C	≀ above NE hor.; ≀≀ scattered about moving SE.	
7	C	" " "	
5	C	≀≀ and ≀ scattered about, the former moving SE.	
8	C	Overcast with ≀≀ moving SE.	
7	B	≀≀ around hor.; ≀ and ≀≀ scattered about.	
7	B	≀≀ around hor.; ≀ scattered throughout.	
4	B	≀ scattered about the sky.	
4	B	" "	
4	G	" "	
6	G	≀ scattered about; a lunar-halo.	
6	G	≀ scattered about the sky.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or —	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 2nd-Midnight	29.777	28.977	78°6	74°6	4°0	73°0	0·800	0·84	79°5	81°3	NNW	0.3					
1 a. m.	.758	·963	77·6	74.2	3.4	72.8	.795	.86	79.4	81.2	,,	0.1					
2 ,,	.748	.953	77.6	74.2	3.4	72.8	.795	.86	79.0	81.2	,,	0.1					
3 ,,	.744	.946	77.3	74.2	3.1	72.9	.798	.87	78.8	81.2	,,	0.1					
4 ,,	.747	·936	77.2	74.5	2.7	73.4	·811	.89	78.7	81.2	,,	0.1					
5 ,,	.757	·927	77.2	75.0	2.2	74.1	·830	.91	78.4	81.1	NNE	0.1					
6 ,,	.779	·967	77.1	74·5	2.6	73.4	·812	.89	78.3	81.1	,,	0.1					
7 ,,	.795	.978	78.4	75.0	3.4	73.6	·817	.86	78.9	81.0	,,	0.1					
8 ,,	.818	.967	80.6	76.5	4.1	74.9	.851	.84	80.0	81.0	NE b N	0.1					
9 ,,	.812	·926	82.1	77.8	4.3	76.1	.886	.83	80.5	81.0	,,	0.1					
10 ,,	.807	.967	83.4	77.0	6.4	74.5	.840	.75	81.2	81.2	NNE	0.1	None.	None.	None.	None.	None.
11 ,,	.790	.955	84.2	77.1	7.1	74.3	.835	.73	82·0	81.2	NW	0.2					
Noon.	.771	.960	86.0	77.0	9.0	73·4	·811	.67	82.6	81.4	,,	0.2					
1 p. m.	.739	·884	88.0	78.6	9.4	75.0	.855	.67	83.1	81.5	,,	0.1					
2 ,,	·722	·866	87.5	78.5	9.0	75.1	.856	.68	83.7	81.6	,,	0.3					
3 ,,	·709	·851	87.3	78.5	8.8	75.1	.858	.68	83.7	81.6	,,	0.3					
4 ,,	.709	.853	86.3	78.2	8.1	75.1	.856	.70	83.6	81.7	,,	0.3					
5 ,,	.727	.896	84·2	77.0	7.2	74.1	·831	.73	83.2	81.8	,,	0.3					
6 ,,	.743	.888	82.0	77.0	5.0	75.0	.855	.80	82.0	81.8	,,	0.4					
7 ,,	.759	.893	81.0	77.0	4.0	75.4	.866	.84	81.4	81.8	NW b N	0.5					
8 ,,	·775	.925	80.7	76.5	4.2	74.8	.850	.83	81.0	81.8	,,	0.3					
9 ,,	·776	·938	80.0	76.0	4.0	74.4	.838	.84	80.8	81.7	,,	0.2					
10 ,,	.771	.930	79.7	76.0	3.7	74.5	.841	.85	80.5	81.7	,,	0.2					
11 ,,	.769	·928	79.7	76.0	3.7	74.5	.841	.85	80.5	81.6	,,	0.1					
Oct. 3rd-Midnight	.767	.930	79.3	75.8	3.5	74.4	.837	.86	80.0	81.6	NW b N	0.2					
1 a. m.	.749	.903	78.5	75.8	2.7	74·7	.846	.89	80.0	81.5	,,	0.1					
2 ,,	.743	.891	78.0	75.8	2.2	74.9	·852	.91	80.0	81.5	,,	0.1					
3 ,,	.741	.897	77.7	75.5	2.2	74.6	·844	.91	79·7	81.4	,,	0.1					
4 ,,	.743	.899	77.7	75·5	2.2	74.6	·844	.91	79.5	81.4	,,	0.1					
5 ,,	.765	.933	77.0	75.0	2.0	74.2	·832	.91	78.5	81.2	,,	0.0					
6 ,,	.787	.929	78.2	76.0	2.2	75.1	·858	.91	79.0	81.2	,,	0.0					
7 ,,	.801	.949	80.5	76.5	4.0	74.9	·852	.84	80.0	81·3	,,	0.2					
8 ,,	.824	.962	81.4	77.0	4.4	75.3	·862	.82	80.8	81.4	N N E	0.2					
9 ,,	.826	.954	83.3	77.8	5.5	75.6	·872	.79	81.2	81.5	,,	0.1	0.01				
10 ,,	.820	.989	84.2	77.0	7.2	74.1	·831	.73	81.9	81.6	ESE	0.2					
11 ,,	.806	.928	85.5	78.5	7.0	75.9	·878	.74	82.8	81.6	SW b W	0.4					
Noon.	.778	.915	86.4	78.4	8.0	76.9	·863	.70	83.0	81.7	W	0.2	None.	None.	None.	None.	None.
1 p. m.	.765	.894	88.0	79.0	9.0	75.6	·871	.68	83.6	81.9	W b N	0.3					
2 ,,	.745	.871	88.5	79.2	9.3	75.7	·874	.67	84.1	82.0	W b S	0.3					
3 ,,	.732	.887	88.5	78.5	10.0	74.7	.845	.65	84.7	82.1	NW b W	0.4					
4 ,,	.732	.926	87.2	77.2	10.0	73.2	·806	.64	84.1	82.2	NW	0.4					
5 ,,	.749	.923	84.6	77.0	7.6	74.0	.826	.72	83.6	82.3	NW b N	0.4					
6 ,,	.764	.923	82.5	76.5	6.0	74.5	.841	.77	82.3	82.3	,,	0.3					
7 ,,	.777	.957	81.6	76.0	5.6	73.7	.820	.78	82·0	82.2	NW	0.2					
8 ,,	.793	·962	80.6	76.0	4.6	74.1	·831	.82	81.0	82 1	NW b N	0 1					
9 ,,	.803	.967	80.2	76.0	4.2	74.3	·836	·83	80.5	82.1	,,	0.0					
10 ,,	.809	.986	79.6	75.5	4.1	73.8	·823	.83	80.2	82.0	,,	0.0					
11 ,,	.807	.965	79.6	76.0	3.6	74.6	·842	.85	80.1	82.0	NE b E	0.2					
Oct. 5th-Midnight	.775	.922	80.6	76.5	4.1	75.0	.853	.84	80.5	82.0	NW	0.5					
1 a. m.	.769	.916	80.6	76.5	4.1	75.0	.853	·84	80·5	82.0	NW b W	0.4					
2 ,,	.755	.923	80.5	76.0	4.5	74.2	·832	.82	80.5	82.0	NW	0.2					
3 ,,	.752	.942	79.7	75.2	4.5	73.3	.810	.82	80.5	81·9	NNW	0.3					
4 ,,	.752	.942	79.0	75.0	4.0	73.3	·810	.84	80.3	81.9	N W	0·3					
5 ,,	.764	.917	79.2	76.0	3.2	74.7	.847	.87	80.2	81.9	N	0.0	None.	None.	None.	None.	None.
6 ,,	.784	.886	79.2	77.3	1.9	76.6	.898	.92	80.1	81.8	N b E	0.0					
7 ,,	.810	.921	80.7	77.0	3.7	76·3	.889	.85	80·5	81.7	,,	0.1					
8 ,,	.829	.957	82.3	77.5	4.8	75.6	.872	.81	81.0	81.7	NNE	0 2					
9 ,,	.829	29.020	83.4	76.2	7.2	73.3	·809	.73	81.5	81.7	,,	0.1					
10 ,,	.828	.006	85.0	77.0	8.0	73.8	·822	·70	82.7	81.8	NE b N	0.2					
11 ,,	.811	28.993	85.4	77 0	8.4	73.6	·818	.69	83.0	81.9	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
6	G	≀ scattered about, dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°3 and 83°1.
8	C	Overcast with ≀≀ and ≀, the former moving SE; dew falling.	
6	C	Clouded as before; dew falling.	
6	C	" "	
5	C	" "	
4	B	" "	
5	B	≀≀ and ≀ scattered about; dew falling.	
6	B	≀≀ and ≀≀ scattered about; the former moving SSE; mist in hor.	
2	B	≀≀ and ≀ scattered about; mist along the W hor.	
4	G	≀≀ and ≀ scattered about.	
3	G	≀≀ and ≀≀ scattered about.	
3	G	" "	
3	G	" "	
3	C	≀≀ scattered about moving SE.	
5	C	" "	
6	C	≀≀ and ≀≀ scattered about, the former moving SE.	
5	C	" " "	
4	B	≀≀ around hor.; ≀ scattered about.	
6	B	≀≀ and ≀ scattered about, the former moving SE.	
3	B	Clouded as before.	
3	B	" "	
3	G	" "	
3	G	" "	
3	G	" "	
7	G	≀≀ scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°0. Daily fall of rain by Osler's Gauge 0·01 in. 3rd October was the 38th day on which wind blew abnormally; it was the 93rd rainy day.
5	C	≀≀ scattered about; dew falling.	
5	C	" "	
5	C	" "	
6	C	" "	
6	B	" "	
6	B	" "	
6	B	≀≀ scattered about moving SE; drops of rain fell from 7h. 35m. to 7h. 50m.	
7	B	Densely clouded with ≀≀ moving SE.; rain fell from 8h. 6m. to 8h. 26m.	
8	G	Overcast with ≀≀ moving SE.	
7	G	≀≀ scattered about moving SSE; a few drops of rain at 10h. 13m.	
7	G	Densely clouded with ≀≀ moving SSE.	
7	G	" "	
6	C	≀≀ scattered about moving E.	
7	C	≀≀ and ≀ scattered about moving E.	
7	C	" "	
8	C	" "	
7	B	∩ along the NE hor.; ≀≀ and ≀ scattered throughout.	
6	B	" " "	
4	B	≀≀ around hor.; ≀ and ≀≀ scattered about.	
4	B	" "	
4	B	≀≀ and ≀≀ scattered about, the former moving ESE.	
4	B	" " "	
3	B	≀≀ scattered about hor.	
6	G	≀≀ scattered about moving ESE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°2. 5th October was the 15th day on which the fall of rain was less than 0·01 in.
6	C	" "	
6	C	" "	
6	C	" "	
6	C	" "	
7	B	≀≀ scattered throughout moving SE.	
5	B	≀≀ and ≀ scattered about, the former moving SE.	
5	B	" " "	
4	B	" " "	
5	G	≀≀, ≀≀ and ≀ scattered about, the former moving S.	
7	G	" " "	
7	G	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 feet in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawsof Volta 1.	Readings of Strawsof Volta 2.	Interval of Time in recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 5th-Noon.	29.782	28.954	86°3	77°5	8°8	74°0	0.828	0.68	83°8	82°0	WNW	0.3					
1 p. m.	.756	.922	87.5	78.0	9.5	74.3	.834	.66	84.1	82.1	NW	0.2					
2 „	.734	.900	87.5	78.0	9.5	74.3	.834	.66	84.3	82.2	„	0.3					
3 „	.720	.875	88.0	78.4	9.6	74.7	.845	.66	84.5	82.3	„	0.4					
4 „	.722	.877	87.3	78.2	9.1	74.7	.845	.67	84.4	82.4	„	0.3					
5 „	.732	.893	85.3	77.5	7.8	74.4	.839	.71	83.4	82.4	„	0.2					
6 „	.745	.901	83.0	77.0	6.0	74.6	.844	.77	82.6	82.4	NW b N	0.2	None.	None.	None.	None.	None.
7 „	.758	.925	82.2	76.5	5.7	74.2	.833	.78	82.5	82.4	NW b W	0.2					
8 „	.776	.960	82.0	76.0	6.0	73.6	.816	.77	82.2	82.4	NW	0.1					
9 „	.782	.962	81.6	76 0	5.6	73·7	.820	.78	82.0	82.4	„	0·4					
10 „	.777	.984	81.3	75.2	6.1	72.7	.793	.76	81·7	82.4	NW b W	0.3					
11 „	.773	.926	79.2	76.0	3.2	74.7	.847	.87	80.2	82.4	NNW	0.1					
Oct. 6th-Midnight	.759	.921	80.0	76.0	4.0	74.4	.838	.84	80.4	82.4	NW b N	0.3					
1 a. m.	.749	.906	80.3	76.2	4.1	74.6	.843	.83	81.4	82.3	„	0.2					
2 „	.739	.918	80.1	75.6	4.5	73.8	.821	.82	81.0	82.3	„	0.1					
3 „	.738	.909	80.1	75.8	4.3	74.1	.829	.83	81.0	82.2	NW	0.1					
4 „	.740	.897	79.5	76.0	3·5	74.6	.843	.86	80.5	82.2	N b E	0.2					
5 „	.765	.923	78.2	75.6	2.6	74.6	.842	.89	79.6	82.1	„	0.1					
6 „	.785	.932	78.6	76.0	2·6	75.0	.853	.89	79.6	82.0	NE b N	0.2					
7 „	.813	.940	80.4	77.0	3.4	75.7	.873	.86	80.5	82.0	„	0.2					
8 „	.831	.928	83.2	78.5	4.7	76.7	.903	.82	82.0	82.1	„	0.1					
9 „	.832	.954	83.6	78.0	5.6	75.9	.878	.78	82.0	82.1	S b W	0.2					
10 „	.824	.951	84.0	78.0	6·0	75.7	.873	·77	82.5	82.1	W b S	0.2					
11 „	.813	.905	85.4	79.2	6.2	76.9	.903	.76	83.0	82.2	SSW	0.2					
Noon.	.786	.877	86.5	79.5	7.0	76.9	.909	.74	83.5	82.2	W b S	0.2	None.	None.	None.	None.	None.
1 p. m.	.768	.902	87.3	78.7	8.6	75.4	.866	.69	84.0	82.3	WNW	0.4					
2 „	.747	.888	87.6	78.6	9.0	75.2	.859	.68	84.5	82.4	NW b W	0.4					
3 „	.730	.867	88.0	78.8	9.2	75.3	.863	.67	84.5	82.4	WNW	0·5					
4 „	.736	.872	87.1	78.6	8.5	75.4	.864	.69	84.3	82.5	„	0.4					
5 „	.754	.890	84.8	78.0	6.8	75.4	.864	.74	83.5	82.5	NW b W	0.3					
6 „	.761	.917	83.0	77.0	6.0	74.6	.844	.77	82.6	82.5	„	0.3					
7 „	.771	.951	82.4	76.2	6.2	73.7	.820	.76	82.5	82.5	NW b N	0.6					
8 „	.808	.992	82.0	76.0	6.0	73.6	.816	.77	82.1	82.5	„	0.5					
9 „	.808	.972	81.6	76.4	5.2	74.3	.836	.80	82.0	82.5	„	0.4					
10 „	.809	.973	81.6	76.4	5 2	74.3	.836	.80	81.5	82.5	NNW	0.2					
11 „	.807	.943	81.2	77.0	4.2	75.4	.864	.83	81.3	82.5	„	0.3					
Oct. 7th-Midnight	.800	.968	80.7	76.2	4.5	74.4	.838	.82	81.0	82.5	NNW	0.3					
1 a. m.	.792	.954	80.0	76.0	4.0	74.4	.838	·84	80.8	82.5	„	0.1					
2 „	.779	.939	79.8	76·0	3.8	74.5	.840	.85	80.5	82·5	„	0.1					
3 „	.775	.935	79.8	76.0	3.8	74.5	.840	.85	80.4	82·5	NNE	0.1					
4 „	.779	.922	80.0	76.5	3.5	75 1	.857	.86	80.4	82·4	NE b N	0.2					
5 „	.798	.943	79.5	76.3	3.2	75.0	.855	.87	80.3	82.4	„	0 2					
6 „	.826	.930	79.3	76.0	3.3	74.7	.846	.86	80.2	82.4	NE	0.3					
7 „	.842	.976	81.0	77.0	4.0	75.4	.856	.83	81.0	82.2	NE b E	0.1					
8 „	.866	.977	82.5	78.0	4.5	76.3	.889	.82	81.8	82.2	„	0.1					
9 „	.871	.999	83.3	77.8	5 5	75.6	.872	.79	82.0	82.2	„	0.1					
10 „	.872	29.021	86 0	78.0	8.0	74.9	.851	.70	83.0	82.4	E b N	0.2					
11 „	.856	28.989	86.5	78.5	8.0	75.5	.867	.71	83.7	82.5	E	0.1					
Noon.	.828	.985	86.7	78.0	8.7	74.6	.843	.68	84.0	82.6	NW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.814	.971	86.7	78.0	8.7	74.6	.843	.68	84.0	82.6	W b N	0.2					
2 „	.793	.920	87.8	79.0	8.8	75.7	.873	.68	84.5	82.7	WNW	0.4					
3 „	.778	.912	87.3	78.7	8.6	75.4	.866	.69	84.5	82.7	„	0.3					
4 „	.779	.897	87.0	79.0	8.0	76.0	.882	.71	84.4	82·8	„	0.5					
5 „	.785	.923	85.0	78.0	7.0	75.3	.862	.74	83.8	82.8	„	0.5					
6 „	.795	.940	82.7	77.2	5.5	75.0	.855	.79	82.7	82.8	NW b W	0.5					
7 „	.817	.969	82.6	77.0	5.6	74.8	.848	.78	82.6	82.8	WNW	0.5					
8 „	.828	.983	82.0	76.5	5 5	74·3	.835	.78	82.3	82.8	„	0·3					
9 „	.836	.938	81.7	78.0	3.7	76.6	.898	.85	82.0	82.8	„	0.4					
10 „	.839	.951	81.5	77.7	3.8	76.2	.888	.85	81.5	82.8	NW b W	0.3					
11 „	.839	.973	81.0	77.0	4.0	75.4	.866	.84	81.4	82.7	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: cirri; cirro-cumuli; cumuli; cirro-strati; cumulo-strati; and nimbi.	
6	G	, , and scattered about, the former moving S.	
6	C	and scattered about, the former moving SE.	
6	C	along the E hor.; and scattered about whose motion was SE.	
6	C	along the E hor.; , and scattered about.	
6	C	" " "	
3	B	along the E hor.; and scattered about.	
2	B	" " "	
2	B	scattered about hor.	
2	B	" "	
5	G	scattered about moving SE. [10h. 44m.	
6	G	scattered about moving SE; a few drops of rain fell between 10h. 31m. and	
6	G	scattered about; no rain.	
6	G	scattered about moving SE; a few drops of rain fell at full hour.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°2.
6	C	Clouded as before; a few drops of rain fell at 1h. 31m.	
6	C	scattered about moving SE.	
6	C	" "	6th October was the 39th day on which wind blew abnormally; it was the 16th day on which the fall of rain was less than 0·01 in. and the 26th day on which lightning was seen after sunset.
7	C	" "	
7	B	Densely clouded with moving SSE.	
6	B	in W hor.; , and scattered about, moving S.	
7	B	and scattered about, the former moving SSE.	
7	B	scattered about moving SSW.	
7	G	" "	
8	G	and scattered about, the former moving SE.	
8	G	along the E hor.; and scattered about, the former moving SSE.	
8	G	" " " "	
6	C	along the E hor.; and scattered throughout, the former moving SE.	
5	C	" " " "	
6	C	" " " "	
8	C	along the E hor.; , and scattered about, the former moving SE.	
6	B	along the E hor.; around hor.; scattered about.	
7	B	along the E hor.; and scattered about, the former moving ESE.	
5	B	scattered about moving E; lightning in NE hor. at long intervals.	
3	B	scattered about moving E.	
2	G	scattered about hor.	
2	G	" "	
2	G	" "	
2	G	scattered about hor. moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°4.
5	C	" "	
8	C	Overcast with moving SE.	
8	C	" "	
8	C	" "	
4	B	around hor.; scattered about.	
6	B	around hor.; and scattered about.	
7	B	" "	
7	B	scattered about moving NW.	
7	G	" "	
7	G	" "	
7	G	and scattered about, the former moving NW.	
7	G	and scattered about, the former moving WSW.	
8	C	Overcast with , and , the former moving S.	
8	C	" " "	
8	C	along the E hor.; , and scattered about, the former moving SE.	
8	C	" " " "	
7	B	along the E hor.; around hor.; and scattered about.	
7	B	along the E hor.; and scattered about, the former moving ESE.	
6	B	and scattered about, the former moving E.	
6	B	" " "	
6	G	" " "	
6	G	scattered about moving E.	
6	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering some degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 8th-Midnight	29.823	28.957	81°0	77°0	4°0	75°4	0.866	0.84	81°4	82°6	NW b W	0.3					
1 a. m.	.813	.947	81.0	77.0	4.0	75.4	.866	.84	81.4	82.6	„	0.4					
2 „	.804	.921	80.2	77.2	3.0	76·0	.883	.88	81.2	82.5	NNE	0.1					
3 „	.803	.923	79.7	77.0	2.7	75.9	.880	.89	80.8	82.5	„	0.2					
4 „	.804	.922	79.5	77.0	2.5	76.0	.882	.89	80.5	82.4	„	0.1					
5 „	.822	.961	78.9	76.3	2.6	75.2	.861	.89	80.2	82.4	„	0.2					
6 „	.842	.980	78.6	76.2	2.4	75.3	.862	.90	80.0	82.4	NE b N	0.2					
7 „	.866	.990	80.1	77.0	3.1	75.8	.876	.87	80.4	82.4	„	0.2					
8 „	.880	.987	82.2	78.0	4.0	76.4	.893	.83	81.2	82.4	„	0.2					
9 „	.883	.953	83.4	79.2	4.2	77.7	.930	.83	82.0	82.5	„	0.2	None.	None.	None.	None.	None.
10 „	.880	.972	84.6	79.0	5.6	76.9	.908	.79	82.5	82.6	„	0.1					
11 „	.861	.990	85.3	78 3	7.0	75.8	.871	.74	82.9	82.6	„	0.1					
Noon.	.834	29.006	86.3	77.5	8.8	74.0	.828	.68	83.3	82.6	W b S	0.4					
1 p. m.	.821	28.950	88.0	79.0	9.0	75.6	.871	.68	84.2	82.7	W	0.3					
2 „	.805	.934	88.7	79.2	9.5	75.6	.871	.67	85.0	82.8	W b S	0.4					
3 „	.793	.916	88.6	79.3	9.3	75.8	.877	.67	85.0	82.8	WSW	0.3					
4 „	.793	.922	88.0	79.0	9.0	75.6	.871	.68	84.9	82.9	W b N	0.5					
5 „	.813	.989	85.6	77.2	8.4	73·9	.824	.69	84.0	82.9	WNW	0.4					
6 „	.819	29.006	83.3	76.3	7.0	73.5	.813	.73	83.1	82.9	NW b W	0.4					
7 „	.852	.030	82.5	76.3	6.2	73.8	.822	.75	82.5	82.9	„	0.6					
8 „	.872	.058	82.2	76.0	6.2	73.5	.814	.76	82.3	82.9	„	0.4					
9 „	.879	.043	81.6	76.4	5.2	74.3	.836	.80	82.0	82.9	„	0.2					
10 „	.875	.048	81.0	76.0	5.0	74.0	.827	.80	81.7	82.8	NW	0.3					
11 „	.861	.023	80.7	76.2	4.5	74.4	.838	.82	81.0	82.7	„	0.2					
Oct. 9th-Midnight	.847	28·986	79·7	76.5	3.2	75.2	.861	.87	80.5	82.7	NW	0.3					
1 a. m.	.835	29.007	78.4	75.3	3.1	74.0	.828	.87	80.4	82.6	„	0.0					
2 „	.831	28.982	79.0	76·0	3.0	74·8	.849	.88	80.4	82.6	NW b N	0.1					
3 „	.829	.997	79.8	75.8	4.0	74.2	.832	.84	80.4	82.5	„	0.2					
4 „	.839	29.024	79.3	75.2	4.1	73.5	.815	.83	80.2	82.4	„	0.1					
5 „	.855	.006	79.0	76.0	3.0	74.8	.849	.88	80.0	82.4	NNE	0.2					
6 „	.889	.018	78.8	76.5	2.3	75.6	.871	.86	80.0	82.4	NE b E	0.3					
7 „	.905	.030	80.2	77.0	3.2	75.8	.875	.87	80.5	82.3	„	0.2					
8 „	.820	.063	81.8	77.0	4.8	75.1	.857	.81	81.1	82.2	„	0.2					
9 „	.919	.047	83.3	77.8	5.5	75.6	.872	.79	81.7	82.2	„	0.2					
10 „	.914	.128	84.7	76.0	8.7	72.4	.786	.63	82.0	82.3	„	0.1					
11 „	.890	.056	85.4	77.0	8.4	74.3	.834	.69	82.8	82.4	„	0.2	None.	None.	None.	None.	None.
Noon.	.863	.052	86.0	77.0	9.0	73.4	.811	.67	83.0	82.5	NW	0.2					
1 p. m.	.843	.047	87.4	77.0	10.4	72.8	.796	.63	84.0	82.6	WNW	0.2					
2 „	.822	.019	88.2	77.4	10.8	73.1	.803	.62	84.5	82.7	„	0.5					
3 „	.810	.015	88.2	77.2	11.0	72.8	.795	.61	84.5	82.8	NW b W	0.5					
4 „	.810	.016	87.5	77.0	10.5	72.8	.794	.63	84.3	82.9	NW	0.5					
5 „	.822	.025	85.5	76.5	9.0	72.9	.797	.67	84.0	82.9	NW b N	0.5					
6 „	.826	.063	83.3	75.0	8.3	71.5	.763	.69	83.0	82.9	„	0.6					
7 „	.838	.061	82.8	75.2	7.6	72.0	.777	.71	82.7	82.9	„	0.6					
8 „	.857	.044	82.3	76.0	6.3	73.5	.813	.76	82.3	82.9	„	0.3					
9 „	.859	28.973	82.1	77.8	4.3	76.1	.886	.83	82.1	82.9	„	0.4					
10 „	.852	.954	81.7	78.0	3.7	76.6	.893	.85	82.0	82.8	„	0.3					
11 „	.845	.977	79.8	76.7	3.1	75.5	.868	.87	80.7	80.6	„	0.2					
Oct. 10th-Midnight	.837	.990	79.2	76.0	3.2	74.7	.847	.87	80.1	82.6	NW b N	0.2					
1 a. m.	.832	29.003	79.0	75.5	3.5	74.1	.829	.86	80.1	82.5	„	0.1					
2 „	.830	.001	79.0	75.5	3.5	74.1	.829	.86	80.1	82.5	„	0.1					
3 „	.830	.017	78.7	75.0	3.7	73.5	.813	.85	80.0	82.5	NNW	0·1					
4 „	.832	.001	78.5	75.4	3.1	74.1	.831	.87	80.0	82.4	NNE	0.2	None.	None.	None.	None.	None.
5 „	.846	.024	77.9	75.0	2.9	73.8	.822	.88	79.1	82.3	„	0.1					
6 „	.864	.072	77.2	74.0	3.2	72.7	.792	.87	78.9	82.3	NE b N	0.1					
7 „	.886	.070	79.2	75.2	4.0	73.6	.816	.84	79.5	82.2	„	0.1					
8 „	.888	.058	80.7	76.0	4.7	74.1	.830	.81	80.2	82.1	„	0.1					
9 „	.888	.019	82.6	77.5	5.1	75.5	.869	.80	80.5	82.2	„	0.1					
10 „	.883	.039	83.0	77.0	6.0	74.6	.844	.77	81.0	82.2	„	0.1					
11 „	.865	.085	85.3	76.0	9.3	72.2	.780	.66	82.6	82.3	NE	0.1					

Amount of Clouds 0—5.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: Ni cirri; Vi cirro-cumuli; Ci cumuli; Li cirro-strati; Ci cumulo-strati; and Vi nimbi.	
7	G	Vi scattered about moving E.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°5.
7	C	Vi and Ni scattered about, the former moving E.	
7	C	" " "	
6	C	Vi scattered about moving ESE.	
5	C	" "	
6	B	Vi and Ni scattered about, the former moving S.	
7	B	" " " "	
5	B	Ni around hor; Vi scattered about moving S; mist along the W hor.	
6	B	Vi and Ni scattered about, the former moving S; mist along the W hor.	
6	G	Vi and Ni scattered about, the former moving SSW; mist along the W hor.	
6	G	Vi and Ni scattered about, the former moving SSW; mist along the W hor.	
6	G	Masses of Vi and Ni scattered about the sky, the former moving SSW.	
5	G	Vi around hor. and Ni scattered about.	
5	C	Ci along the E hor.; Ni, Vi and Vi scattered about, the latter moving S.	
6	C	" " " "	
6	C	Ci along the E hor.; Vi, Vi and Ni scattered about, Vi moving SSE.	
7	C	Clouded as before, but the motion of Vi was ESE.	
5	B	Ci in E hor.; Vi scattered about moving ESE.	
4	B	Ci in E hor.; Vi and Ni scattered about, the former moving SE.	
3	B	Vi scattered about moving SE.	
3	B	" " "	
3	G	" " "	
3	G	" " "	
2	G	" " "	
0	G	Clear except in hor., dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°4.
0	C	" "	
4	C	Vi scattered about moving SE; dew falling.	
4	C	" " "	
4	C	Vi scattered about moving SE; dew falling.	
3	B	Vi and Ni scattered about, the former moving S; dew falling.	
6	B	Vi scattered about moving S.	
4	B	Vi scattered about moving S; mist along the W hor.	
1	B	Vi scattered around hor.; mist along the W hor.	
1	G	Vi and mist around hor.	
1	G	" "	
1	G	" "	
2	G	Vi and Vi scattered about hor.	
2	C	" " "	
2	C	Vi scattered along the E hor.	
2	C	" "	
2	C	" "	
1	B	" "	
0	B	A few patches of clouds around hor.	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°5. 10th October was the 40th day on which wind blew abnormally; it was the 14th day on which the sky remained almost cloudless.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	A few Ni above NE hor.; dew falling.	
0	B	" " "	
0	B	Mist along the W hor.	
0	B	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
														Sign of Electricity + or −	Readings of		Interval of Time in recovering the same degree of tension after discharge.
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.		Straw of Volta 1.	Straw of Volta 2.	
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 10th-Noon.	29.832	28.971	86°6	78°4	8°2	75°2	0.861	0.70	83°0	82°3	ENE	0.1					
1 p. m.	.810	.961	87.7	78.4	9.3	74.8	.849	.67	84.0	82.4	NW b W	0.2					
2 „	.785	.956	88.0	78.0	10.0	74.1	.829	.65	84.6	82.5	„	0.1					
3 „	.770	.918	88.2	78.6	9.6	74.9	.752	.66	84.7	82.6	„	0.4					
4 „	.769	.940	88.0	78.0	10.0	74.1	.829	.65	84.3	82.7	„	0.3					
5 „	.775	.914	86.6	78.4	8.2	75.2	.861	.70	83.5	82.7	NW	0.4					
6 „	.780	.922	83.6	77.5	6.1	75.1	.858	.76	83.0	82.7	NW b N	0.3	None.	None.	None.	None.	None.
7 „	.792	.943	82.5	77.0	5.5	74.8	.849	.79	82.3	82.7	NNW	0.2					
8 „	.817	.938	81.3	77.4	3.9	75.6	.879	.84	82.0	82.6	„	0.1					
9 „	.835	.965	80.6	77.0	3.6	75.6	.870	.85	81.5	82.5	„	0.1					
10 „	.828	.909	79.8	78.0	1.8	77.3	.919	.92	81.0	82.5	„	0.1					
11 „	.822	.938	79.4	77.0	2.4	76.1	.884	.90	80.7	82.4	„	0.2					
Oct. 12th-Midnight	.823	.949	80.3	77.0	3.3	75.7	.874	.86	80.5	82.4	W b N	0.4					
1 a. m.	.817	.943	80.3	77.0	3.3	75.7	.874	.86	80.5	82.4	„	0.2					
2 „	.809	.940	80.0	76.8	3.2	75.5	.869	.87	80.3	82.3	„	0·2					
3 „	.792	.934	78.2	76.0	2.2	75.1	.858	.91	80.2	82.3	W	0.1					
4 „	.789	.954	77.5	75.2	2.3	74 3	.835	.90	80.0	82.3	W b S	0.2					
5 „	.796	29.002	77.0	74.0	3.0	72.8	.794	.87	79.0	82.2	W	0.2					
6 „	.826	.013	77.0	74.5	2.5	73.5	.813	.89	78.5	82.1	„	0.0					
7 „	.858	.037	78.0	75.0	3.0	73.8	.821	.87	79.0	82.0	WNW	0.0					
8 „	.886	.048	80.0	76.0	4.0	74.4	.838	.84	79.9	82.0	NNW	0.2					
9 „	.896	28.983	82.3	78.5	3.8	77.1	.913	.84	80.2	81.9	N b E	0.2					
10 „	.900	29.027	84.0	78.0	6.0	75.7	.873	.77	81.8	82.0	NNE	0.1					
11 „	.888	.004	85.7	78.7	7.0	76.1	.884	.74	82.9	82.2	„	0.1					
Noon.	.859	28.972	86.5	79.0	7.5	76.2	.887	.72	83.0	82.2	„	0.1	None.	None.	None.	None.	None.
1 p. m.	.835	.959	87.5	79.0	8.5	75.8	.876	.69	83.8	82.3	WNW	0.2					
2 „	.818	.928	87.8	79.4	8.4	76.3	.890	.70	84.1	82.4	„	0.3					
3 „	.806	.947	87.6	78.6	9.0	75.2	.859	.68	84.5	82.5	NW b W	0.5					
4 „	.808	.956	87.4	78.4	9.0	74.9	.852	.67	84·3	82.6	„	0.3					
5 „	.818	.994	84.8	77.0	7.8	73.9	.824	.71	83.5	82.6	NW	0.5					
6 „	.826	29.017	82.6	76.0	6.6	73.3	.809	.75	82.6	82.6	NW b W	0.4					
7 „	.840	28.985	82.0	77.0	5.0	75.0	.855	.80	82.0	82.6	„	0.2					
8 „	.866	29.007	81.6	77.0	4.6	75.2	.859	.82	81.9	82.6	„	0.2					
9 „	.872	.013	81.6	77.0	4.6	75.2	.859	.82	81.5	82.6	„	0.3					
10 „	.886	.026	80·8	76.8	4.0	75.2	.860	.84	81.0	82.5	„	0.2					
11 „	.882	.039	80.3	76.2	4.1	74.6	.843	.83	81.0	82.4	„	0.1					
Oct. 13th-Midnight	.858	.020	80.0	76.0	4·0	74.4	.838	.84	81.0	82.4	NW	0.3					
1 a. m	.844	28.987	80.0	76.5	3.5	75.1	.857	.86	81.0	82.4	NW b N	0.6					
2 „	.838	.959	79.8	77.0	2.8	75.9	.879	.88	80.8	82.4	„	0.6					
3 „	.832	.981	78.8	76.0	2·8	74.9	.851	.88	80.6	82.4	„	0.1					
4 „	.833	29.010	77.2	74.8	2.4	73.8	.823	.90	80.1	82.3	„	0·1					
5 „	.846	.051	76.9	74.0	2.9	72.8	.795	.88	79.0	82.2	„	0.2					
6 „	.873	.042	77.1	75.0	2.1	74.1	.831	.90	78.5	82.1	N	0.1					
7 „	.888	.033	79.2	76.2	3.0	75.0	.855	.87	79.6	82.0	N b E	0.1					
8 „	.899	.068	80.6	76·0	4.6	74·1	.831	.82	80.2	82.0	„	0.1					
9 „	.904	·031	82.2	77.5	4.7	75.7	.873	.81	80.9	82.0	„	0.2					
10 „	.909	·099	83.6	76.3	7.3	73.3	.810	.72	81.8	82.0	NNE	0.1					
11 „	.890	·001	84.5	78.5	6.0	76.3	.889	.77	83.0	82.1	„	0.1					
Noon.	.863	.012	86.0	78.0	8.0	74.9	.851	.70	83.2	82.2	W b N	0.4	None.	None.	None.	None.	None.
1 p. m.	.846	28.966	87.2	79.0	8.2	75.9	.880	.70	83.7	82.3	NW	0.4					
2 „	.819	.949	87.3	78.8	8.5	75.9	.870	.69	84.0	82.4	„	0.4					
3 „	.803	.997	87.2	77.2	10.0	73.2	.806	.64	84.1	82.5	NW b N	0.7					
4 „	.800	.996	87.0	76.4	10.6	73.1	.804	.62	84.0	82.5	„	0.8					
5 „	.812	29.064	84.6	75.0	9.6	70.9	.748	.65	83.5	82.6	„	0.4					
6 „	.825	.020	83.0	76.0	7.0	73·2	.805	.73	82.7	82.6	NNW	0.4					
7 „	.853	28.998	82.0	77.0	5.0	75.0	.855	.80	82.3	82.6	„	0.3					
8 „	.878	29.015	82.0	77.2	4.8	75.3	.863	.81	82.2	82.6	NW b N	0.4					
9 „	.872	28.977	82.0	78.0	4.0	76.5	.895	.84	82.0	82.6	„	0.3					
10 „	.869	.971	81.7	78.0	3.7	76.6	.898	.85	81.7	82.5	„	0.2					
11 „	.863	.965	81.7	78.0	3.7	76.6	.898	.85	81.5	82.5	„	0.4					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	Remarks.
0	G	Cloudless.	
0	C	A few pieces of clouds above NE hor.; hazy along the E hor.	
0	C	Patches of clouds and hazy as before.	
0	C	" " "	
0	C	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	" "	
0	G	" "	
3	G	≀ scattered about moving E; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°6.
3	C	" " "	
1	C	≀ scattered about hor.; dew falling.	
0	C	A few patches of clouds around hor.; dew falling.	
0	C	" " "	
3	B	≀ scattered about hor.; dew falling.	
7	B	≀ and ≀ scattered about.	
6	B	" "	
7	B	" "	
7	G	" "	
8	G	≀ and ≀ scattered about, the former moving SW.	
8	G	" " "	
6	G	" " "	
5	C	≀, ≀ and ≀ scattered about, the former moving SW.	
4	C	≀, ≀ and ≀ scattered about, the former moving SE.	
4	C	≀ in NE hor.; otherwise clouded as before.	
2	C	" " "	
0	B	A few patches of clouds around hor.	
2	B	Patches of ≀ scattered about hor.	
1	B	≀ scattered about hor.	
0	B	Cloudless.	
2	G	≀ scattered about hor.	
2	G	" "	
6	G	≀ and ≀ scattered about, the former moving SE; dew falling.	
3	G	≀ scattered about hor.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°6.
0	C	A few pieces of clouds in E hor.; dew falling.	
0	C	Cloudless; dew falling.	
0	C	" "	
0	C	" "	
2	B	≀ scattered about hor.; dew falling.	
3	B	" " "	
4	B	≀ scattered about; mist along the W hor.	
3	B	" " "	
3	G	≀ scattered here and there.	
3	G	" "	
3	G	" "	
3	G	" "	
2	C	A few ≀ masses above W hor.; ≀ scattered around hor.	
2	C	≀ along the E hor.; ≀ above W hor.; ≀ scattered around hor.	
2	C	≀ along the E hor.; ≀ scattered about hor.	
2	C	" " "	
1	B	A few patches of clouds along the E hor.; ≀ scattered around hor.	
6	B	≀ around hor.; ≀ scattered here and there.	
5	B	≀ scattered about moving SE.	
8	B	Overcast with ≀ moving SE; a few stars dimly visible.	
8	G	" " " "	
8	G	" " " "	
8	G	" " " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or−	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Interval of Time in the recovering same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 14th-Midnight	29.860	29.035	81°2	76°0	5°2	73°9	0.825	0.79	81°3	82°5	NW b N	0.5					
1 a. m.	.843	28.977	81.0	77.0	4.0	75.4	.866	.84	81.2	82.5	„	0.4					
2 „	.827	.961	81.0	77.0	4.0	75.4	.866	.84	81.0	82.4	„	0.5					
3 „	.815	.902	80.4	78.0	2.4	77.1	.913	.90	81.0	82.4	„	0.5					
4 „	.816	.934	79.5	77.0	2.5	76.0	.882	.90	80.8	82.4	„	0.1					
5 „	.830	.971	78.8	76.2	2.6	75.2	.859	.89	80.0	82.4	N b W	0.1					
6 „	.846	.995	78.8	76.0	2.8	74.9	.851	.88	80.2	82.4	„	0.1					
7 „	.862	.992	80.6	77.0	3.6	75.6	.870	.85	80.7	82.4	„	0.1					
8 „	.873	29.000	82.2	77.5	4.7	75.7	.873	.81	81.5	82.4	NNE	0.2					
9 „	.872	.056	83.8	76.5	7.3	73.6	.816	.72	82.0	82.4	NE	0.3					
10 „	.867	.106	85.6	75.6	10.0	71.4	.761	.64	82.8	82.4	NNE	0.2					
11 „	.842	.081	87.0	76.0	11.0	71.4	.761	.61	83.7	82.6	W	0.2					
Noon.	.811	.010	88.4	77.4	11.0	73.0	.801	.61	85.0	82.6	WSW	0.3					
1 p. m.	.789	28.929	89.0	79.0	10.0	75.2	.860	.65	85.1	82.7	NW	0.4					
2 „	.762	.862	89.2	80.0	9.2	76.6	.900	.67	85.3	82.8	NW b N	0.7					
3 „	.727	.829	89.4	80.0	9.4	76.6	.898	.67	85.6	82.9	NW	0.8					
4 „	.727	.816	88.2	80.0	8.2	77.0	.911	.70	85.5	83.1	NW b N	0.9					
5 „	.747	.889	85.4	78.0	7.4	75.1	.858	.72	84.0	83.1	„	0.5		−	Out of Sc.	60	Instantly.
6 „	.816	.981	83.8	77.0	6.8	74.3	.835	.74	83.2	83.1	NNW	1.5		−	Out of Sc.	Out of Sc.	Instantly.
7 „	.815	29.091	76.6	72.0	4.6	69.9	.724	.81	79.0	83.0	N	0.8		−	Out of Sc.	Out of Sc.	Instantly.
8 „	.832	.075	77.0	73.0	4.0	71.2	.757	.83	79.0	82.8	N b W	0.0	0.05	−	Out of Sc.	Out of Sc.	Instantly.
9 „	.829	.072	77.0	73.0	4.0	71.2	.757	.83	78.7	82.6	SE	0.2	0.07	−	Out of Sc.	Out of Sc.	Instantly.
10 „	.822	28.957	76.8	75.8	1.0	75.4	.865	.96	78.5	82.5	SE b S	0.2	0.04	+	4		Above 10m.
11 „	.821	.998	77.2	74.8	2.4	73.8	.823	.90	79.0	82.5	„	0.2		+	1		Above 10m
Oct. 15th-Midnight	.827	29.006	78.0	75.0	3.0	73.8	.821	.87	79.1	82.4	SE b S	0.4		+	3		1.19
1 a. m.	.827	28.973	78.5	76.0	2.5	75.0	.854	.90	79.7	82.4	S b W	0.8	0.08	+	6		2.04
2 „	.826	29.005	78.0	75.0	3.0	73.8	.821	.87	79.6	82.3	S	0.7		−	Out of Sc.	Out of Sc.	Instantly.
3 „	.830	28.991	77.8	75.4	2.4	74.4	.839	.90	79.4	82.3	„	0.5	0.03	+	8		1.50
4 „	.818	.953	77.5	76.0	1.5	75.4	.865	.94	79.3	82.2	„	0.3	0.06	+	10	10	1.57
5 „	.828	.998	77.2	75.0	2.2	74.1	.830	.90	79.0	82.2	SSW	0.0					
6 „	.852	29.020	77.0	75.0	2.0	74.2	.832	.91	79.0	82.2	„	0.0					
7 „	.876	.017	78.8	76.2	2.6	75.2	.859	.89	79.5	82.1	SW b S	0.1					
8 „	.881	.057	81.3	76.0	5.3	73.9	.824	.79	80.3	82.1	SSW	0.1					
9 „	.880	.007	82.2	77.5	4.7	75.7	.873	.81	81.0	82.0	SE b S	0.1		+	2		1.37
10 „	.877	28.993	83.0	78.0	5.0	76.1	.884	.80	81.9	82.1	SE b E	0.1		+	1		Above 10m.
11 „	.864	.956	84.6	79.0	5.6	76.9	.908	.79	82.2	82.1	NNE	0.2		+	5		0.42
Noon.	.821	.928	86.0	79.0	7.0	76.4	.893	.74	83.0	82.2	NNW	0.4		+	2		2.09
1 p. m.	.798	.909	86.4	79.0	7.4	76.3	.889	.73	83.4	82.3	NW	0.1		+	2		2.15
2 „	.772	.890	87.0	79.0	8.0	76.0	.882	.71	83.8	82.4	„	0.5		+	2		2.37
3 „	.747	.853	87.4	79.4	8.0	76.4	.894	.71	84.1	82.5	„	0.6		+	3		1.10
4 „	.745	.830	88.2	80.1	8.1	77.2	.915	.71	85.0	82.7	NW b N	0.5		+	14		1.06
5 „	.767	.856	86.3	79.5	6.8	77.0	.911	.75	84.5	82.8	„	0.3		+	10		0.5
6 „	.774	.853	84.2	79.2	5.0	77.4	.921	.81	84.0	82.8	„	0.5					
7 „	.800	.880	83.5	79.0	4.5	77.3	.920	.82	83.5	82.8	„	0.2					
8 „	.818	.898	83.5	79.0	4.5	77.3	.920	.82	83.5	82.8	„	0.0					
9 „	.810	.884	83.0	79.0	4.0	77.5	.926	.84	83.1	82.8	„	0.1		+	2		0.21
10 „	.801	.927	82.4	77.6	4.8	75.7	.874	.81	82.5	82.8	„	0.2		+	1		Above 10m.
11 „	.802	.928	82.4	77.6	4.8	75.7	.874	.81	82.5	82.8	NW b W	0.1					
Oct. 16th-Midnight	.792	.894	81.7	78.0	3.7	76.6	.898	.85	81.5	82.7	NW b W	0.2					
1 a. m.	.776	.872	81.2	78.0	3.2	76.8	.904	.87	81.4	82.7	„	0.1					
2 „	.773	.825	81.0	79.0	2.0	78.3	.948	.92	81.4	82.7	„	0.1					
3 „	.772	.837	80.3	78.5	1.8	77.8	.935	.92	81.3	82.7	„	0.1					
4 „	.775	.884	79.8	77.3	2.5	76.3	.891	.90	81.0	82.7	„	0.0	None.	None.	None.	None.	None.
5 „	.791	.910	79.6	77.0	2.6	76.0	.881	.89	80.8	82.7	„	0.0					
6 „	.824	.919	79.6	77.6	2.0	76.8	.905	.92	80.5	82.6	„	0.0					
7 „	.850	.950	81.5	78.0	3.5	76.6	.900	.86	81.2	82.6	NNE	0.1					
8 „	.860	.894	83.2	80.0	3.2	78.9	.966	.87	82.0	82.6	N b E	0.1					
9 „	.862	.954	84.6	79.0	5.6	76.9	.908	.79	82.9	82.7	„	0.1					
10 „	.859	.981	85.5	78.5	7.0	75.9	.878	.74	83.5	82.7	„	0.1					
11 „	.842	.951	87.3	79.3	8.0	76.3	.891	.71	84.0	82.8	„	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri ; ≀≀ cirro-cumuli ; ≈ cumuli ; ≀ cirro-strati ; ≈ cumulo-strati ; and ≋ nimbi.	
6	G	≀≀ scattered throughout moving SE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°6. Daily fall of rain by Osler's Gauge 0·13 in. Maximum tension of Electricity by Henly's apparatus 17. Maximum length of the spark by Ronald's measure 0·25 in.
6	C	" "	
4	C	≀≀ scattered about ; dew falling.	
3	C	" "	
3	C	≀≀ and ≀ scattered about ; dew falling.	
4	B	" " "	
6	B	≀≀ around hor. ; ≀ scattered throughout.	
4	B	≀ scattered throughout ; light mist in hor.	
2	B	≀ scattered about hor. ; mist in hor.	
4	G	≀ scattered here and there ; mist in hor.	
2	G	≀ scattered about hor.	
4	G	≈ along the E hor. ; ≀ scattered here and there.	
4	G	" " "	
4	C	" " "	
4	C	A bank of clouds along the E hor. ; ≀ scattered in S ; low rumbling thunder in E heard at 2h. 50m. [heard.	14th October was the 41st day on which wind blew abnormally ; it was the 94th rainy day ; it was the 6th day on which lightning and thunder were both registered.
4	C	A stratum of clouds along the E hor. ; ≀≀ and ≀ scattered about, the former moving ESE ; low rumbling thunder occasionally	
6	C	Dark and ugly appearance in NE and E ; ≀≀ and ≀ scattered about, the former moving ESE ; occasional thunder in E.	
7	B	≀≀, ≀≀ and ≀ scattered throughout, the former moving W ; rainbow in E ; lightning and thunder in NE after 5h. 40m.	
8	B	Overcast with one sheet of dark clouds ; their motion was W ; lightning & thunder in E hor. continuously registered ; heavy gusts of wind at 6h. 15m. ; drops of rain fell after 6h. 54m. [and from 7h. 42m. to 7h. 0m.	
8	B	Overcast with ≀≀ ; continuous lightning in NNW & SE hor. ; thunder about N of zenith ; rain fell from 7h. 0m. to 7h. 19m.	
8	B	Overcast with heavy clouds whose motion was not apparent ; lightning in NE and SE at intervals of 1m. 20s., raining.	
8	G	Overcast ; lightning in SE and S at intervals of 29s. ; rain ceased at 9h. 33m.	
8	G	Overcast ; lightning in E at intervals of 1h. 42m.	
8	G	Overcast with ≀≀ moving SSW ; lightning in E hor. at intervals of 1h. 52m.	
8	G	Overcast with ≀≀ moving SE ; continuous lightning in E hor. ; light rain after 0h. 11m. to 0h. 57m.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°6. Daily fall of rain by Osler's Gauge 0·14 in. Maximum tension of Electricity by Henly's apparatus 5. Maximum length of the spark by Ronald's measure 0·07 in.
8	C	Overcast with ≀≀ moving S ; lightning in SE hor. at intervals of 1m. 40s. ; rain commenced at 1h. 58m. [der in SE after 2h. 21m.	
8	C	Overcast with ≀≀ moving S ; continuous lightning in SE hor. ; rain ceased at 2h. 12m. but recommenced at 2h. 34m. ; occasional thun-	
8	C	Overcast with ≀≀ moving SSE ; lightning in SE ; thunder in NE of zenith ; rain ceased at 3h. 21m.	
8	C	Overcast with ≀≀ moving SSE ; lightning in S and SW hor. at intervals of 1m. 50m ; thunder in NE of zenith.	
8	B	Overcast with ≀≀ moving SE ; lightning in SW hor. at intervals of 2m.	
8	B.	≀≀ around hor. ; ≀ and ≀≀ scattered throughout.	
6	B	" " "	
4	D	≀≀ and ≀≀ around hor. ; ≀ scattered throughout.	15th October was the 42nd day on which wind blew abnormally ; it was the 95th rainy day ; it was the 7th day on which lightning and thunder were both registered.
4	G	" " "	
4	G	≈ along the E hor. ; ≀≀ and ≀≀ scattered about.	
6	G	≈ along the E hor. ; ≀ and ≀≀ scattered about.	
6	G	" " "	
6	C	≈ along the E hor. ; ≀≀ and ≀≀ scattered about ; ≀ about zenith.	
5	C	≈ along the E hor. ; ≀≀, ≀≀ and ≀ scattered about.	
6	C	≈ along the E hor. ; ≀≀, ≀≀ and ≀ scattered about, the former moving SE ; thunder in N occasionally heard.	
8	C	≈ along the E hor. ; ≀≀, ≀≀ and ≀ scattered about, the former moving SE ; thunder in NE hor. now and then.	
8	B	≈ along the E hor. ; ≀≀, ≀≀ and ≀ scattered, the former moving W ; rainbow in ESE ; lightning and thunder in NE ; drops of rain fell between 5h. 30m. and 5h. 53m.	
8	B	≈ along the E hor. ; ≀≀ and ≀ scattered about, the former moving W ; continuous lightning in NE and E hor.	
8	B	Overcast with ≀≀ and ≀ whose motion is not perceptible ; lightning in NE & SE hor.	
8	B	Overcast with ≀≀ ; lightning in NE and SE at intervals of 1m.	
6	G	≀≀ scattered about moving ENE ; lightning in E and SE hor. at intervals of 1h. 39m.	
6	G	≀≀ scattered about moving ENE ; lightning in E and SE hor. at intervals of 1h. 12m.	
6	G	≀≀ scattered about moving ENE ; lightning in E and SE hor. at intervals of 1h. 26m.	
6	G	≀≀ scattered about moving SE ; lightning in S hor. at long intervals.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 83°8. On the 16th, at 2h. P. M., temperature of Evaporation was 81·6 highest in the month ; on the same day in the afternoon temperature of Dew-Point was 78·7 highest in the month.
6	C	" " "	
4	C	≀≀ scattered about moving SE ; dew falling.	
4	C	" " "	
4	C	" " "	
6	B	≀≀ and ≀ scattered throughout.	
7	B	" "	
6	B	≀≀ in hor. ; ≀ scattered throughout ; mist in hor.	
7	B	" " "	
7	G	≀≀ around hor. ; ≀ scattered throughout.	16th October was the 27th day on which lightning was seen after sunset.
8	G	≈ along the E hor. ; ≀≀ and ≀ scattered throughout.	
5	G	≈ along the E hor. ; ≀ scattered about.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 16th–Noon.	29.815	28.902	88°0	80°0	8°0	78°1	0.913	0.71	84°9	82°9	NW	0.2					
1 p. m.	.792	.847	89.0	81.0	8.0	78.2	.945	.71	85.2	83.1	,,	0.3					
2 ,,	.770	.809	90.0	81.6	8.4	78.7	.961	.70	86.0	83.2	NW b W	0.2					
3 ,,	.755	.793	89.5	81.5	8.0	78·7	.962	.72	86.0	83.3	NW	0.3					
4 ,,	.757	.795	89.5	81.5	8.0	78·7	.962	.72	86.2	83.4	,,	0·5					
5 ,,	.760	.832	86.6	80.0	6.6	77.6	.928	.76	85.0	83.5	NW b N	0.4	None.	None.	None.	None.	None.
6 ,,	.774	.821	84.4	80.0	4.4	78.4	.953	.83	84.1	83.5	,,	0.4					
7 ,,	.793	.851	83.5	79.5	4.0	78.1	·942	.84	83.4	83.5	,,	0.5					
8 ,,	.815	.869	83.1	79.5	3.6	78.2	.946	.86	83.1	83.5	,,	0.1					
9 ,,	.820	.951	82.6	79.5	5.1	75.5	.869	.80	82.5	83.5	,,	0.1					
10 ,,	.825	.929	81.9	78.0	3.9	76.5	.896	.85	82.1	83·4	,,	0.2					
11 ,,	.814	.908	81.0	78.0	3.0	76.8	.906	.88	82.0	83.4	,,	0.2					
Oct. 17th–Midnight	.814	.908	81.0	78.0	3.0	76.8	.906	.88	81.8	83.4	NW b N	0.2					
1 a. m.	.788	.878	80.6	78.0	2.6	77.0	.910	.89	81.8	83.4	,,	0.1					
2 ,,	.770	.895	80.2	77·0	3.2	75.8	.875	.87	81.4	83.3	,,	0.1					
3 ,,	.771	.846	80.4	78.3	2.1	77.5	.925	.91	81.4	83.3	,,	0.1					
4 ,,	.769	.844	80.4	78.3	2.1	77.5	.925	.91	81.4	83·2	N	0.1					
5 ,,	.779	.967	78.8	75 0	3.8	73.4	.812	.84	80.4	83.1	,,	0.1					
6 ,,	.795	.966	78.3	75.3	3.0	74.1	.829	.87	80.1	83.0	,,	0.1					
7 ,,	.816	.976	79·8	76.0	3.8	74.5	.840	.85	80.5	86.0	,,	0.2					
8 ,,	.827	·929	83.7	78.5	5·2	76.6	.898	.80	82.0	83.0	NNE	0.2					
9 ,,	.824	.922	85.2	79.0	6.2	76.7	.902	.76	82.9	83.0	ENE	0.2					
10 ,,	.822	.889	86.2	80.0	6.2	77.8	.933	.77	83.5	83.1	,,	0.2					
11 ,,	.807	.890	87.6	80.0	7.6	77.2	.917	.72	84.0	83.1	,,	0.3					
Noon.	785	.836	88.6	81.0	7.6	78.3	.949	.73	84.8	83.2	SW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.762	.817	89.0	81.0	8.0	78.2	.945	.71	85.2	83.3	W b N	0.2					
2 ,,	.734	.811	89.0	80.5	8.5	77.4	·923	.70	85.8	83.5	WNW	0.3					
3 ,,	.721	.813	89.2	80.2	9.0	76 9	.908	.68	86.0	83.5	,,	0.2					
4 ,,	.715	·827	88.8	79.6	9.2	76.2	.888	.67	85.7	83.6	NW b W	0.2					
5 ,,	.721	.855	86.6	78.5	8.1	75.4	·866	.70	84.7	83.6	NW b N	0.2					
6 ,,	.728	.851	83.6	78.0	5.6	75.8	.877	.78	83.6	83.6	,,	0.3					
7 ,,	.743	.817	83.0	79.0	4.0	77.5	·926	.84	83.3	83.6	,,	0.2					
8 ,,	.748	.859	82.5	78.0	4.5	76.3	·889	.82	83.0	83.6	,,	0.1					
9 ,,	.759	.889	80.6	77.0	3.6	75.6	.870	.86	82.0	83.5	,,	0.0					
10 ,,	.758	.855	79.5	77.5	2.0	76.7	·903	.92	81.0	83.4	,,	0.0					
11 ,,	.751	.897	78.5	76.0	2.5	74.9	.852	.90	80.2	83.4	,,	0.0					
Oct. 19th–Midnight	.756	.896	78.0	76.0	2.0	75.2	.860	.92	80.0	82.8	NW b N	0.4					
1 a. m.	.756	.885	78.4	76.4	2.0	75.6	.871	.92	80.0	82.8	NNE	0.1					
2 ,,	.735	.840	78.4	77.0	1.4	76.5	.895	.94	80.0	82.8	,,	0.1					
3 ,,	.730	.884	77·5	75.5	2.0	74.7	.846	.92	79 8	82.7	,,	0.1					
4 ,,	.730	.884	77.5	75.5	2.0	74.7	.846	·92	79.2	82.6	,,	0.2					
5 ,,	.731	.906	77.6	75.0	2.6	73.9	.825	.89	79.0	82.5	NE	0.7					
6 ,,	.768	.958	77.6	74.6	3.0	73.3	.810	.87	78.8	82.4	NE b N	0.4					
7 ,,	.782	.999	78.0	74 0	4.0	72.3	.783	.83	79.0	82.4	,,	0.2					
8 ,,	.817	29.056	80.0	74.0	6.0	71.4	.761	.76	80.0	82.3	,,	0.1					
9 ,,	.817	28.992	81.2	76.0	5.2	73.9	.825	.79	80.4	82.3	,,	0.1					
10 ,,	.817	.984	84.0	77.0	7.0	74.2	.833	.73	81.5	82.3	E b N	0.2					
11 ,,	.799	.901	85.5	79.0	6.5	76.6	.898	.76	82.0	82.3	,,	0.1					
Noon.	.771	·900	88·0	79.0	9.0	75.6	.871	.68	83.5	82.3	,,	0.1	None.	None.	None.	None.	None.
1 p. m.	.753	.865	90.4	80.0	10.4	76.2	.888	.64	84.6	82.4	NW b N	0.1					
2 ,,	.723	.952	89.6	77.0	12.6	71.8	·771	.57	85.0	82.5	,,	0.3					
3 ,,	.713	29.000	89.6	75.5	14.1	69.4	.713	.53	85.1	82.6	NW	0.4					
4 ,,	.719	.015	88·6	75.0	13.6	69.0	.704	.54	85.0	82.7	,,	0.3					
5 ,,	.721	.008	86.1	74.5	11.6	69.4	.713	.58	84.0	82.8	NW b N	0.4					
6 ,,	.726	28.984	83.5	74.5	9.0	70.6	.742	.67	83.0	82.8	,,	0.5					
7 ,,	.735	.930	83 0	76.0	7.0	73.2	.805	.73	82·6	82.8	NNW	0.6					
8 ,,	.745	.968	82.0	75·0	7.0	72.0	.777	.73	82.1	82.8	,,	0.6					
9 ,,	.745	.988	81·8	77.0	4.8	75.1	.857	.81	82.0	82.8	,,	0.7					
10 ,,	.741	.903	80.0	76.0	4.0	74.4	·838	.84	80·9	82.7	N b E	0.5					
11 ,,	.732	.904	79.3	75.2	4.1	74·0	·828	.87	80.0	82.6	N	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: Cirri; Cirro-cumuli; Cumuli; Cirro-strati; Cumulo-strati; and Nimbi.	Remarks.
5	G	along the E hor.; scattered about.	
5	C	along the E hor.; scattered about moving ESE.	
6	C	" " "	
6	C	" " "	
4	C	" " "	
1•	B	along the E hor.; scattered here and there.	
1	B	" " "	
0	B	Cloudless.	
0	B	A few pieces of above S hor.	
3	G	Electrical clouds along the E hor.; lightning in E and SE hor. at intervals of 1m. 11s.; dew falling.	
3	G	Electrical clouds along the E hor.; lightning in E and SE hor. at intervals of 49s; dew falling.	
2	G	Electrical clouds along the E hor.; lightning in SE and S hor. at intervals of 1m. 14s.; dew falling.	
6	G	scattered throughout; lightning in S and SE hor. at intervals of 1m.; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 83°7.
6	C	scattered about moving SE; lightning in S; dew falling.	
4	C	scattered about moving SE; dew falling.	
2	C	scattered around hor.; dew falling.	
1	C	" "	17th October was the 43rd day on which wind blew abnormally; it was the 28th day on which lightning was seen after sunset.
0	B	A few pieces of clouds around hor.; dew falling.	
3	B	and scattered about hor.; mist and fog in hor.	
1	B	" " "	
1	B	" " "	
0	G	A few in hor.; mist in hor.	
2	G	scattered about hor.; mist along the E hor.	
2	G	" "	
4	G	scattered here and there.	
7	C	along the E hor.; scattered throughout moving SE.	
6	C	" " "	
4	C	along the E hor.; scattered here and there.	
4	C	" " "	
2	B	and haze around hor.	
2	B	" "	
0	B	A few around hor.	
0	B	Cloudless.	
0	B	Cloudless and dew falling.	
0	B	" "	
0	B	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 83°9.
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
1	B	scattered along the E hor.; dew falling.	
4	B	scattered here and there.	
2	B	scattered about hor.; mist and fog in hor.	
2	B	" " "	
2	G	scattered about hor.	
1	G	scattered along the E hor.	
3	G	scattered about the sky.	
5	G	" "	
6	C	scattered throughout; along the E hor.	
6	C	" " "	
6	C	" " "	
6	C	" " "	
7	B	scattered throughout.	
7	B	" "	
6	B	" "	
7	B	scattered throughout; a lunar-halo.	
7	G	" "	
8	G	scattered throughout.	
8	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 20th-Midnight	29.708	28.898	79°0	75°0	4°0	73°3	0.810	0·84	80°0	82°6	N b E	0.3					
1 a. m.	.701	·891	79·0	75.0	4.0	73.3	.810	.84	80.0	82.6	NNE	0.3					
2 „	.693	29.077	80.0	70.0	10.0	64.9	.616	.62	80.0	82.5	„	0.5					
3 „	.691	.111	80.2	69.0	11.2	63.1	.580	.58	80.4	82.5	NE b N	0.4					
4 „	.697	·141	80.3	68.3	12.0	61.8	.556	.55	80.4	82.4	NNE	0.7					
5 „	.708	·094	80.2	70.0	10.2	64.8	.614	.61	80.4	82.3	NE b E	1.0					
6 „	.746	·063	80.4	72·0	8.4	68.1	.683	.68	80.5	82.2	ENE	0.2					
7 „	.773	.125	80.3	71.0	9.3	66.5	.648	.64	80.4	82.2	E b N	0.4					
8 „	.780	.111	81.6	72.0	9.6	67.4	.669	.64	80.5	82.2	ENE	0.8					
9 „	.785	·106	84.0	73.0	11.0	67.9	.679	.60	81.5	82.2	„	0.7					
10 „	.774	.076	85.1	73.8	11.3	68.7	.698	.59	82.0	82.2	„	0.6					
11 „	.746	.026	87.2	75.0	12.2	69.7	.720	.57	83·8	82.2	NE	0.6	None.				
Noon.	.698	28.920	89.0	77.0	12.0	72.1	.778	.59	84.7	82.4	NNE	0.8					
1 p. m.	·662	·917	91.0	76.0	15.0	70.7	.745	.51	86.2	82.6	N b W	0.9					
2 „	·633	·920	91.4	76.0	15.4	69.4	.713	.50	87.0	82.7	N	1.0					
3 „	.618	·818	90.6	78.0	12.6	73.0	.800	.58	87.0	82.9	NNW	0.8		+	4		2·10
4 „	.614	.771	87·5	78.2	9.3	74.6	.843	.67	86.0	83.0	„	1.4		+	10	8	1.08
5 „	.633	.777	85.5	78.0	7.5	75.1	.856	.72	84.6	83.0	„	0.8		+	6		0.45
6 „	.643	.768	83.8	78.0	5.8	75.8	.875	.78	83.6	83.0	„	0.8		+	6		1.00
7 „	·665	.815	83.2	77.2	6.0	74.8	.850	.77	83.3	83.0	„	0.5		+	4		1.30
8 „	·681	.874	82.8	76.0	6.8	73.2	.807	.74	83.0	83.0	N b W	0.2		+	4		1.10
9 „	.701	·759	83.5	79.5	4.0	78.1	.942	.84	82.9	83.0	NNE	0.6		+	6		0.52
10 „	.683	.803	83.4	78.0	5.4	75.9	.880	.79	82.9	83.0	NE	0.5		+	16	14	0.23
11 „	.682	·809	84.0	78.0	6.0	75.7	.873	.77	83.0	83.0	NE b E	0.6		+	4		1·11
Oct. 21st-Midnight	.672	.799	84.0	78.0	6.0	75.7	.873	.77	83.0	83.0	E	1.0		+	2		Above 10m.
1 a. m.	.668	.790	83.5	78.0	5.5	75·9	.878	.79	83.0	83.0	E b S	1.5		+	2		4.20
2 „	.664	.859	83.0	76.0	7.0	73.2	·805	.73	82.8	83.0	E	1.2		+	4		3.26
3 „	.663	.899	82.5	74.8	7.7	71.5	.764	.71	82·5	83.0	E b S	1.8					
4 „	.665	.945	82.0	73·5	8.5	69.7	.720	.68	82.3	82.9	E	2.0					
5 „	.693	.945	81.2	74.0	7.2	70.9	.748	.72	82.0	82.8	ESE	0.8					
6 „	.719	.963	81.4	74.0	7.4	71.2	.756	.71	81.6	82.8	„	1.0					
7 „	.729	.978	82.3	74.4	7.9	71.0	.751	.70	82.0	82·8	E	1.3					
8 „	.765	29.017	84.6	75.0	9.6	70.9	.748	·67	82.6	82.8	E b S	1.0					
9 „	.780	28.902	86.2	78.7	7.5	75.9	·878	.72	83.1	82.9	SE b E	1.3					
10 „	.784	.893	87.3	79.3	8.0	76.3	.891	.71	84.0	83.0	ESE	1.2					
11 „	.772	.918	88.8	78.8	10.0	75.0	.854	.65	84.7	83.0	SE b E	0.8					
Noon.	.751	.902	90.0	79.0	11.0	74.8	.849	.62	85.5	83.2	ESE	0.6					
1 p. m.	.726	.926	90.6	78.0	12.6	73.0	.800	.58	86.8	83.3	SE b S	0.9					
2 „	.710	.893	89.8	78.2	11.6	73.6	.817	.60	86.8	83.4	SSE	0.4					
3 „	.701	.892	88.0	77.5	10.5	73.3	.809	.63	86.2	83.4	S b W	0.2					
4 „	.710	.922	88.5	77.1	11.4	72.5	.788	.61	85.8	83.5	W b S	0.2		+	4		1.50
5 „	.775	.993	81.5	75 0	6.5	72.2	.782	.75	83.0	83.6	SSE	0.4	0.09	—	Out of Sc.	Out of Sc.	Instantly.
6 „	.780	.926	78.5	76.0	2.5	75.0	.854	.90	81.2	83.5	S	0.2	0.76	—	Out of Sc	Out of Sc.	Instantly.
7 „	.815	.961	78.5	76.0	2.5	75.0	.854	.90	81.2	83.4	„	0.0	0.05				
8 „	.854	29·035	78.2	76.0	3.2	73.7	.819	.87	80.5	83.3	„	1·5	0.12				
9 „	.863	.038	76.2	74.6	1.6	73.9	.825	·93	79.2	83.1	SSW	0.3	0.34				
10 „	.851	.008	76.4	75.1	1.3	74.6	.843	.94	78.8	83.0	SW b S	½ to 1½					
11 „	.835	28.992	76.0	75.0	1.0	74.6	.843	.96	78.8	82.9	SSW	0.0					
Oct. 22nd-Midnight	.831	.988	76.0	75.0	1.0	74.6	.843	.96	78.8	82.8	ESE	0.4					
1 a. m.	.807	.994	77.0	74·5	2.5	73.5	.813	·89	78·8	82.8	E b S	0.3					
2 „	.782	.969	77.0	74.5	2.5	73.5	.813	.89	78.7	82.7	„	0.1					
3 „	.779	.957	76.6	74.6	2.0	73.8	.822	.91	78.5	82·6	„	0.2					
4 „	.785	.955	77.2	75.0	2.2	74.1	.830	.91	78.8	82.6	ENE	0·1					
5 „	.809	.979	77.2	75.0	2.2	74.1	.830	.91	78.8	82.4	E	0.4	None.	None.	None.	None.	None.
6 „	.835	29.003	77.0	75.0	2.0	74.2	.832	.91	78.5	82.3	ESE	0.2					
7 „	.860	.002	78.2	76.0	2.2	75·1	.858	.91	79·0	82.2	„	0.2					
8 „	.875	28.990	80.4	77.3	3.1	76.1	.885	.87	80.1	82.2	„	0.2					
9 „	.884	.958	83.0	79.0	4.0	77.5	.926	.84	81.0	82.2	„	0.1					
10 „	.875	29.012	83.1	77.5	5.6	75.3	.863	·78	81.5	82.4	„	0.1					
11 „	.860	28.998	85.0	78.0	7.0	75.3	.862	.74	82.0	82.4	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌇ cirri; ⌇⌇ cirro-cumuli; ⌒⌇ cumuli; ⌣⌇ cirro-strati; ⌒⌇ cumulo-strati; and ⌇⌇ nimbi.	
7	G	⌇ scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 84°0. On the 20th, at 4h. P.M., Barometer was 29·614, being lowest in the month; on the same day at 2h. P.M. temperature of Air was 91°4 highest in the month. 20th October was the 44th day on which wind blew abnormally; it was the 29th day on which lightning was seen after sunset.
7	G	" "	
8	C	Overcast with ⌇ moving S.	
8	C	" "	
8	C	" "	
8	B	Overcast with dense ⌇.	
8	B	" "	
8	B	" "	
8	B	" "	
8	G	⌒⌇ along the E hor.; ⌇ scattered throughout.	
8	G	" " "	
7	G	" " "	
7	G	" " "	
8	C	" " "	
8	C	⌒⌇ along the E hor.; ⌇ scattered throughout; small denser clouds above NE, E & SE hor.	
8	C	" " " "	
8	C	⌒⌇ along the E hor.; ⌇ and ⌣⌇ scattered about; fresh breezes from N.	
8	B	⌒⌇ along the E hor.; ⌇ and ⌇⌇ scattered throughout.	
8	B	⌒⌇ along the E hor.; ⌇ and ⌇⌇ scattered about, the latter moving W; lightning in SE hor. at intervals of 1m. 20s.	
8	B	⌇ and ⌇⌇ scattered throughout; lightning in SE at intervals of 50s.	
8	B	Overcast with ⌇ and ⌇⌇; lightning in SE at intervals of 40s.	
8	G	Overcast; lightning in SE and S hor. at intervals of 32s.	
8	G	Overcast; lightning in SE and S hor. at intervals of 20s.	
8	G	Overcast; lightning in SE and S hor. at intervals of 1m. 48s.; fresh breezes of wind.	
8	G	Overcast with ⌇; lightning in SE and S hor. at intervals of 1m.; fresh breezes from NE.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 83°9. Daily fall of rain by Osler's Gauge 1·20 in. Maximum tension of Electricity by Henly's apparatus 8; maximum length of the spark by Ronald's measure 0·10 in. 21st October was the 45th day on which wind blew abnormally; it was the 96th rainy day; it was the 8th day on which lightning and thunder were both registered.
8	C	Overcast with ⌇; lightning in SE hor. at intervals of 3h. 40m.; fresh breezes from NE.	
8	C	Overcast; lightning in SE hor. at intervals of 5m. 50s.; fresh breezes from NE.	
8	C	Overcast; lightning in SE hor. at intervals of 8m.; fresh breezes from NE.	
5	C	⌇ scattered about; lightning in SE at long intervals; fresh breezes from NE.	
7	B	Densely clouded with dense ⌇.	
8	B	⌇⌇ around hor. and ⌇ scattered throughout.	
8	B	" " "	
8	B	" " "	
8	G	Clouded as before; fresh breezes of wind blowing.	
8	G	⌇, ⌇⌇, and ⌇⌇ scattered throughout; fresh breezes of wind blowing.	
8	G	" " "	
8	G	" " "	
8	C	⌒⌇ along the E hor.; ⌇, ⌇⌇ and ⌇⌇ scattered throughout, the latter moving W; rain in big drops commenced to fall at 1h. 52m.	
8	C	⌒⌇ along the E hor.; ⌇⌇ and ⌇⌇ scattered about, the latter moving SW; rain ceased to fall at 2h. 30m.	
8	C	Overcast; rain fell between 3h. 31m. and 3h. 36m.; rain-bow in E observed at 3h. 40m.; thunder in NE at intervals of about 2m. 6s.	
8	C	Overcast; the motion of clouds was S; continuous rolling thunder in NE; rain commenced to fall at 4h. 40m. [moderate.	
8	B	Overcast in two strata, the lower stratum of ⌇⌇ moved NW; raining heavily; thunder and lightning continually noticed; wind	
8	B	Overcast with ⌇⌇ moving NNW; lightning and thunder in ENE at intervals of about 55s.; rain falling lightly.	
8	B	Overcast with ⌇⌇ moving NW; lightning in NE hor. at intervals of 25s.; rain ceased at 7h. 57m.	
8	D	Overcast with ⌇⌇ moving N; lightning in NE and NW at intervals of 1m. 20s.; wind moderate; rain fell from 8h. 12m. to 8h. 32m.	
8	G	Overcast with ⌇⌇ moving NW; lightning in NE and WNW at intervals of 14s.; a few drops of rain fell at 9h. 36m.	
8	G	Overcast with ⌇⌇ moving WNW; lightning in E and NW hor. at intervals of 1m. 21s.	
8	G	Overcast; lightning in E and NW at intervals of 1m. 44s.	
8	G	Overcast with ⌇⌇ moving WNW; lightning in SE and E hor. at intervals of 1m. 48s.; a few drops of rain at midnight.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 83°7. 22nd October was the 46th day on which wind blew abnormally; it was the 17th day on which the fall of rain was less than 0·01 in.; it was the 30th day on which lightning was seen after sunset.
8	C	Overcast; lightning in SE and S hor. at intervals of 7m. 40s.	
8	C	Overcast; lightning in SE and E hor. at long intervals.	
7	B	⌇⌇ scattered about moving WSW.	
6	B	⌇⌇ scattered about moving W.	
6	C	" "	
7	G	⌇⌇ around hor.; ⌇ and ⌇⌇ scattered about.	
7	C	" " "	
7	C	" " "	
3	B	⌇⌇ around hor.; ⌇ scattered here and there.	
4	B	⌇⌇ scattered around hor.	
4	G	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Strawsof Volta 1.	Electrical Instruments. Readings of Strawsof Volta 2.	Electrical Instruments. Interval of Time in seconds between the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 22nd-Noon.	29.819	28.911	85°4	79°2	6°2	76°9	0.808	0.76	82°4	82°4	NW b W	0.2					
1 p. m.	.785	.937	86.3	78.0	8.3	74.8	.848	.69	83.5	82.5	WSW	0.2					
2 „	.762	.903	87.6	78.6	9.0	75.2	.859	.68	84.1	82.6	„	0.2					
3 „	.762	.924	87.2	78.0	9.2	74.4	.838	.67	84.0	82.7	W b S	0.2					
4 „	.752	.928	85.6	77.2	8.4	73.9	.824	.69	83.8	82.8	SW b W	0.3					
5 „	.769	.938	84.2	77.0	7.2	74.1	.831	.73	83.0	82.8	„	0.2	None.	None.	None.	None.	None.
6 „	.786	.931	82.0	77.0	5.0	75.0	.855	.80	82.6	82.8	SW b S	0.2					
7 „	.821	.957	81.2	77.0	4.2	75.4	.864	.83	82.5	82.8	SSW	0.1					
8 „	.843	.977	81.0	77.0	4.0	75.4	.866	.84	82.3	82.8	„	0.1					
9 „	.856	.991	80.3	76.5	3.8	75.4	.865	.85	82.1	82.9	„	0·2					
10 „	.854	29.014	79.8	76.0	3.8	75.0	.840	.85	81·1	82.8	„	0.2					
11 „	.854	.049	80.2	75.2	5.0	73.2	.805	.80	81.0	82.7	SSE	0.1					
Oct. 23rd-Midnight	.836	28.994	79.6	76.0	3.6	74.6	.842	.85	81.0	82.6	E	0.3					
1 a. m.	.824	.970	78.5	76.0	2.5	75.0	.854	.90	80.5	82.5	„	0.2					
2 „	.817	.967	78.2	75.8	2.4	74.8	.850	.90	80.2	82.4	„	0.1					
3 „	.815	.965	78.2	75.8	2.4	74.8	.850	.90	79.7	82.4	„	0.3					
4 „	.816	.982	78.2	75.4	2·8	74.3	.834	.88	79.5	82.4	SSE	0.2					
5 „	.837	29.014	77.8	75.0	2.8	73.8	.823	.88	79.0	82.4	„	0.2					
6 „	.859	.049	77.1	74.2	2·9	73.3	.810	.88	78.8	82.4	„	0.3					
7 „	.879	.096	78.0	74.0	4.0	72.3	.783	.83	79.2	82.4	„	0.3					
8 „	.886	.042	80.2	76.2	4.0	74.6	.844	.84	80.0	82.2	„	0.4					
9 „	.896	.117	82.6	75.2	7.4	72.1	.879	.72	81.0	82.2	SE b S	0.2					
10 „	.889	.084	83.0	76.0	7·0	73.2	.805	·73	81.5	82.2	SE	0.4					
11 „	.872	.067	84.4	76.4	8.0	73.2	.805	.70	82.0	82.3	S b W	0.5		+	6		0.42
Noon.	.842	.037	84.4	76.4	8.0	73.2	.805	.70	82.1	82.4	„	0.6	None.	+ +	2	None.	2.29
1 p. m.	.828	.003	84.7	77.0	7.7	73.9	.825	.71	82.8	82.5	„	0.5		+ +	2		2.25
2 „	.800	28.950	85.3	77.8	7.5	74.8	.850	.72	83.1	82.5	„	0.4					
3 „	.785	.931	85.7	78.0	7.7	75.0	.854	.71	83.2	82.6	„	0·6					
4 „	.785	.931	85.7	78.0	7.7	75.0	.854	.71	83.4	82.6	SSW	0.5					
5 „	.806	.962	83.0	77.0	6.0	74.6	.844	.77	82.7	82.8	„	0.4					
6 „	.826	.986	80.6	76.2	4.4	74.5	.840	.82	81.0	82.8	„	0.6					
7 „	.851	.999	80.5	76.5	4.0	74.9	.852	.84	81.0	82·7	S b W	0.4					
8 „	.875	.998	80.0	77.0	3.0	75.8	.877	.88	81.0	82.6	„	0.4					
9 „	.885	29.024	79.7	76.5	3.2	75.2	.861	.87	81.0	82.6	„	0.3		+ +	2		1.47
10 „	.885	28·982	79.5	77.5	2.0	76.7	.903	.92	80.7	82.5	„	0.4		+ +	6		0.32
11 „	.878	.990	79.0	77.0	2.0	76.2	.888	.92	80.0	82·4	„	0.4		+ +	1		Above 10m.
Oct. 24th-Midnight	.858	29.017	77.3	75.6	2.7	74.5	.841	.89	79.8	82.4	S b W.	0.4					
1 a. m.	.840	28.984	78.4	76.0	2.4	75.1	.856	.90	79.5	82.4	ESE	0.2					
2 „	.820	.960	78.0	76·0	2.0	75.2	.860	.92	79.4	82·3	„	0.3					
3 „	.811	.965	77.5	75.5	2.0	74.7	.846	.92	79.2	82·3	„	0.1					
4 „	.812	.966	77.5	75.5	2.0	74.7	.846	.92	79.1	82·3	„	0.3					
5 „	.826	29.015	77.2	74.5	2.7	73.4	.811	.89	78.9	82.2	„	0·5					
6 „	.852	.020	77.0	75.0	2.0	74.2	.832	.91	78.8	82.1	„	0.3					
7 „	.874	.015	78.8	76.2	2.6	75.2	.859	.89	79.0	82.0	„	0.2					
8 „	.886	.015	80.5	77.0	3.5	75.6	.871	.86	80.1	82.0	„	0.3					
9 „	.891	.030	82.2	77.2	5.0	75.2	.861	.80	81.2	82.0	SE b E	0.2					
10 „	.889	.059	83.2	76.7	6.5	74.1	.830	.75	81.6	82.1	„	0.1					
11 „	.869	.009	84.4	77.8	6.6	75.2	.860	.75	82.2	82.3	SSW	0.2					
Noon.	.838	28.972	85.4	78.2	7.2	75.4	.866	.73	83.0	82.3	SW b W	0.2	None.	None.	None.	None.	None.
1 p. m.	.811	.948	86.4	78.4	8.0	75.3	.863	.70	83.3	82.4	WSW	0.2					
2 „	.789	.919	87.3	78.8	8.5	75.6	.870	.69	83.5	82.4	„	0.3					
3 „	.775	.932	87.5	78.2	9.3	74.6	.843	.67	83.5	82.5	„	0.2					
4 „	.781	.941	87.0	78.0	9.0	74.5	.840	.67	83.5	82·5	„	0.3					
5 „	.800	.975	84.7	77.0	7.7	73.9	.825	.71	83.1	82.6	„	0.2					
6 „	.813	.958	82.0	77.0	5.0	75.0	.855	.80	82.8	82.7	SW b W	0.1					
7 „	.843	.991	81.2	76.7	4.5	74.9	.852	.82	82.0	82.8	WSW	0.1					
8 „	.878	29.023	80.6	76.6	4.0	75·0	.855	.84	81.5	82.8	„	0·2					
9 „	.881	.024	80.0	76.5	3.5	75.1	.857	.86	81.3	82.7	„	0.1					
10 „	.879	.020	79.5	76.4	3.1	75.2	.859	.87	81.0	82.6	„	0.2					
11 „	.875	.023	79.5	76.2	3.3	74.9	.852	.86	80.8	82.5	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌒≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀ nimbi.	
7	G	≀≀ and ≀≀ scattered about, the former moving ESE.	
8	C	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving ESE.	
8	C	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving ESE; thunder in NE heard at 2h. 27m.	
8	B	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving N; thunder in NE heard at 3h. 58m.	
7	B	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving N; thunder heard at 4h. 13m.; rain-bow in E.	
8	G	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving NE.	
8	G	" " "	
8	C	Overcast with ≀≀ moving NE; lightning in SE hor. "	
8	C	" " "	
8	B	Overcast; lightning in NE hor.	
8	B	" "	
8	G	≀≀ and ≀≀ scattered throughout moving NE.	
5	G	≀≀ scattered about moving SSW.	Mean daily temperature of ground 20 and 60 inches below its surface 84°4 and 83°7.
5	C	" "	
3	C	≀≀ scattered about hor. moving SW.	
2	C	≀≀ scattered about hor.; slight dew on grass.	23rd October was the 47th day on which wind blew abnormally; it was the 31st day on which lightning was seen after sunset.
4	C	≀≀ scattered about moving SW.	
5	B	≀≀ around hor.; ≀≀ scattered about.	
4	B	≀ and ≀≀ scattered about.	
7	B	≀ and ≀≀ scattered about, the latter moving WNW.	
4	B	≀≀ scattered about moving WNW.	
6	G	⌒≀ in NE, E and SE hor.; ≀ and ≀≀ scattered about.	
6	G	⌒≀ along the E hor.; ≀ and ≀≀ scattered about, the latter moving NW.	
7	G	⌒≀ along the E hor.; ⌒≀ above hor.; ≀≀ scattered about moving NNW.	
8	G	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving NE.	
8	C	⌒≀ along the E hor.; ≀≀ and ≀≀ scattered about moving NNE.	
8	C	" " "	
4	C	⌒≀ along the E hor.; ≀≀, ≀≀ and ≀ scattered about hor.	
0	C	" " "	
0	B	⌒≀ along the E hor.; ≀≀ around hor.	
0	B	" "	
0	B	≀ and ≀≀ scattered about hor.; lightning in N and NE hor. at intervals of 45s.	
0	B	Clouded as before; lightning in N and NE hor. at intervals of 1m. 10s.	
0	G	≀ and ≀≀ scattered about; lightning in NW and NE hor. at intervals of 39s.	
0	G	≀ and ≀≀ scattered about, the latter moving NNE; lightning in E and NE hor. at intervals of 37s.	
0	G	≀≀ scattered about moving NNE; lightning in E and NE hor. at intervals of 1m. 21s.	
6	G	≀≀ scattered throughout moving NE; lightning in E and NE hor. at intervals of 58s.	Mean daily temperature of ground 20 and 60 inches below its surface 84°3 and 83°6.
5	C	≀≀ scattered about moving NE; lightning in E and NE hor. at intervals of 1m. 50s.	
5	C	≀≀ and ≀ scattered about, the former moving N; lightning in E hor. at intervals of 6m. 30s.	
5	C	≀≀ and ≀ scattered about, the former moving N; lightning in NE hor. at long intervals.	24th October was the 48th day on which wind blew abnormally; it was the 32nd day on which lightning was seen after sunset.
5	C	A few ≀ above E and W hor.; ≀≀ scattered about moving N; lightning in NE hor. at long intervals.	
2	B	≀≀ scattered about hor.	
5	B	⌒≀ in W hor.; ≀ in E hor.; ≀≀ scattered about.	
2	B	⌒≀ in W hor.; ≀≀ scattered around hor.; mist in hor.	
2	B	≀≀ scattered about hor.; mist around hor.	
6	C	⌒≀ around hor.; ≀ and ≀≀ scattered about.	
6	C	" " "	
6	C	" " "	
5	C	" " "	
5	G	⌒≀ along the E hor.; ≀ scattered about.	
5	G	⌒≀ along the E hor.; ≀ and ≀≀ scattered about.	
5	G	" " "	
5	G	⌒≀ along the E hor.; ≀ scattered about.	
5	C	" " "	
6	C	⌒≀ along the hor.; ≀ and ≀≀ scattered about; lightning in NE at long intervals.	
5	C	≀ and ≀≀ scattered about; lightning in NE and E hor. now and then.	
6	C	≀ and ≀≀ scattered about; lightning in N and E hor. at intervals of 1m. 4s.	
4	C	≀ and ≀≀ scattered about; lightning in N and E hor. at intervals of 2m. 50s.	
6	C	≀ and ≀≀ scattered about; lightning in N and E hor. at intervals of 4m. 30s.	
6	C	≀ and ≀≀ scattered about; lightning in N and E hor. at intervals of 6m. 20s.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 26th-Midnight	29.826	28.965	79°7	76°5	3°2	75°2	0.861	0.87	80°5	82°4	S	0.3		+	4	.	1.27
1 a. m.	.810	29.904	79.4	75.0	4.4	73.2	.806	.82	80.3	82.4	S b W	0.3					
2 „	.795	.008	79.0	74.4	4.6	72.5	.787	.81	80.2	82.4	„	0.4					
3 „	.781	28.991	78.8	74.4	4.4	72.6	.790	.82	80.0	82.3	„	0.4					
4 „	.776	.962	78.6	75.0	3.6	73.5	.814	.85	79.6	82.3	SSE	0.3					
5 „	.775	.979	77.8	74.3	3.5	72.8	.796	.85	79.0	82.3	„	0.6					
6 „	.799	.972	77.6	74.5	3.1	73.2	.807	.87	79.0	82.2	„	0.6					
7 „	.815	.994	78.0	75.0	3.0	73.8	.821	.87	79.0	82.0	„	0.8					
8 „	.835	.997	80.0	76.0	4.0	74.4	.838	.84	80.0	82.0	„	0.6					
9 „	.842	29.030	82.4	76.0	6.4	73.4	.812	.75	81.0	82.0	„	0.7	None.			None.	
10 „	.831	.015	83.0	76.3	6.7	73.6	.816	.74	81.7	82.1	S	0.6					
11 „	.803	28.968	84.2	77.1	7.1	74.3	.835	.73	82.0	82.1	„	1.0					
Noon.	.774	.939	84.2	77.1	7.1	74.3	.835	.73	82.3	82.3	S b W	0.8					
1 p. m.	.764	.929	86.3	77.7	8.6	74.3	.835	.68	83.3	82.3	SSW	0.8					
2 „	.738	.949	86.6	76.6	10.0	72.6	.789	.64	83.7	82.4	„	0.9					
3 „	.727	.942	86.6	76.5	10.1	72.4	.782	.64	83.7	82.4	„	0.9					
4 „	.718	.916	85.0	76.5	8.5	73.0	.802	.68	83.2	82.5	„	0.8					
5 „	.720	.885	81.8	76.5	5.3	74.4	.838	.79	81.8	82.5	S b W	0.8					
6 „	.725	.932	80.5	75.0	5.5	72.7	.793	.78	80.8	82.5	„	0.8					
7 „	.728	.967	80.0	74.0	6.0	71.4	.761	.76	80.8	82.5	„	1.0					
8 „	.748	.982	80.2	74.2	6.0	71.6	.766	.76	80.9	82.5	„	1.5					
9 „	.738	.972	80.2	74.2	6.0	71.6	.766	.76	80.9	82.4	„	2.2					
10 „	.728	.920	79.2	75.0	4.2	73.3	.808	.83	80.0	82.3	„	2.4					
11 „	.716	.908	79.2	75.0	4.2	73.3	.808	.83	80.0	82.3	„	2.5					
Oct. 27th-Midnight	.712	.912	78.6	74.6	4.0	73.0	.800	.84	79.7	82.3	SSW	1.4	0.04				
1 a. m.	.710	.918	77.2	74.0	3.2	72.7	.792	.87	79.4	82.3	WSW	0 to 3½	.01				
2 „	.683	.868	76.5	74.4	2.1	73.5	.815	.91	78.6	82.2	SSW	½ to 3½	.38				
3 „	.680	.893	75.3	73.3	2.0	72.5	.787	.91	78.2	82.1	SW	1.4	.12				
4 „	.675	.870	76.4	74.1	2.3	73.2	.805	.90	78.2	82.1	SW b W	1.0	.01				
5 „	.679	.929	77.6	73.0	4.6	71.0	.750	.81	79.0	82.1	WNW	2.0	.06				
6 „	.715	.920	77.6	74.2	3.4	72.8	.795	.86	78.6	81.9	NW b W	1.8					
7 „	.745	29.002	78.3	73.0	5.3	70.7	.743	.78	78.8	81.6	NW	1.0					
8 „	.766	.031	79.0	73.0	6.0	70.3	.735	.76	79.0	81.6	NW b N	1.5					
9 „	.785	28.964	79.8	75.5	4.3	73.8	.821	.83	79.2	81.6	„	1.0					
10 „	.782	.929	80.6	76.5	4.1	75.0	.853	.84	80.0	81.7	„	1.2					
11 „	.768	.949	81.7	76.0	5.7	73.7	.819	.78	80.1	81.7	„	1.6				None.	
Noon.	.752	.933	81.7	76.0	5.7	73.7	.819	.78	80.1	81.7	NNW	0.8					
1 p. m.	.732	.971	81.8	74.5	7.3	71.4	.761	.72	80.5	81.7	NW b N	0.7					
2 „	.718	.997	81.6	73.4	8.2	69.7	.721	.69	80.6	81.7	NW	0.8					
3 „	.716	29.042	81.2	72.0	9.2	67.7	.674	.65	80.2	81.7	„	1.3					
4 „	.725	.105	80.3	70.2	10.1	65.1	.620	.61	79.8	81.6	„	0.9					
5 „	.737	.114	77.9	69.5	8.4	65.3	.623	.67	78.5	81.6	„	0.5					
6 „	.760	.141	76.6	69.0	7.6	65.1	.619	.69	78.0	81.5	„	0.4					
7 „	.775	.147	75.8	69.0	6.8	65.5	.623	.72	77.6	81.4	„	0.2					
8 „	.796	.159	75.0	69.0	6.0	65.9	.637	.75	77.3	81.4	„	0.1					
9 „	.798	.145	74.2	69.2	5.0	66.7	.653	.78	77.0	81.4	„	0.2		+	2		2.21
10 „	.798	.148	73.8	69.0	4.8	66.6	.650	.79	76.8	81.2	NW b N	0.1		+	1		Above 10m.
11 „	.793	.161	73.5	68.5	5.0	65.9	.637	.78	76.1	81.0	NNW	0.2					
Oct. 28th-Midnight	.798	.172	73.0	68.0	5.0	65.4	.626	.78	75.9	80.9	NNW	0.2					
1 a. m.	.790	.074	74.1	71.0	3.1	69.5	.716	.86	75.9	80.8	NE b E	0.2					
2 „	.789	.088	73.6	70.4	3.2	68.9	.701	.86	75.9	80.7	E	0.3					
3 „	.785	.094	73.2	70.0	3.2	68.4	.691	.86	75.6	80.7	E b S	0.3					
4 „	.789	.098	73.2	70.0	3.2	68.4	.691	.86	75.4	80.6	„	0.4					
5 „	.812	.175	73.5	68.5	5.0	65.9	.637	.78	75.5	80.5	„	0.6	None.	None.	None.	None.	None.
6 „	.845	.208	73.5	68.5	5.0	65.9	.637	.78	75.5	80.3	ESE	0.5					
7 „	.883	.235	74.0	69.0	5.0	66.5	.648	.78	75.5	80.1	„	0.3					
8 „	.910	.287	77.9	69.5	8.4	65.3	.623	.67	76.2	80.0	„	0.2					
9 „	.944	.235	78.0	72.0	6.0	69.2	.709	.76	77.0	80.0	„	0.2					
10 „	.948	.247	78.7	72.0	6.7	68.9	.701	.73	77.0	80.0	„	0.1					
11 „	.930	.236	80.0	72.2	7.8	68.6	.694	.69	78.1	80.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
7	G	Densely clouded with ≀≀ moving NNE; lightning in E & SE hor. at intervals of 38s.	Mean daily temperature of ground 20 and 60 inches below its surface 84°6 and 83°8.
7	C	Clouded as before; lightning in E and SE hor. at intervals of 2m. 40s.	
7	C	Clouded as before; lightning in E and SE hor. at intervals of 5m. and 10m.	
5	C	≀≀ scattered about moving N; ≀≀ scattered here and there; lightning in E and NE hor. at long intervals.	26th October was the 49th day on which wind blew abnormally; it was the 18th day on which the fall of rain was less that 0·01 in.; it was the 33rd day on which lightning was seen after sunset.
5	C	≀≀ and ≀≀ scattered about, the former moving N; lightning in E and NE hor. at long intervals.	
5	B	≀≀ and ≀≀ scattered about, the former moving NNW.	
4	B	∩ in W hor.; ≀≀ and ≀≀ scattered about moving NNW.	
4	B	∩ in W hor.; ≀≀ around hor.; ≀≀ scattered about.	
6	B	∩ in NW; ≀≀ along the W hor. moving N; ≀≀ scattered along the E hor.; rain-bow in W.	
6	G	∩ along the E hor.; ≀≀ scattered about hor.	
6	G	∩ along the E hor.; ≀≀ and ≀≀ scattered about, the former moving N.	
6	G	∩ along the E hor.; ≀≀ and ≀≀ scattered about, the former moving NNW.	
7	G	∩ along the E hor.; ≀≀ scattered about moving NNW.	
7	C	∩ along the E hor.; ≀≀ scattered about moving NNW.	
3	C	∩ along the E hor.; ≀ above W and NW hor.; ≀≀ scattered about hor.	
3	C	∩ along the E hor.; ≀≀ and ≀ scattered about.	
5	C	∩ along the E hor.; ≀≀ and ≀ scattered about, the former moving N.	
3	B	∩ along the E hor.; ≀≀ scattered about moving N.	
3	B	≀≀ scattered about moving N.	
4	B	" "	
8	B	Densely clouded with ≀≀ moving NNE; a few drops of rain fell at 8h. 0m.	
8	G	Overcast with ≀≀ moving NE; a few drops of rain fell at 9h. 5m.; strong gusts of wind	
7	G	≀≀, ≀≀ and ≀ scattered throughout, the former moving N; gusts of wind. [from SW.	
7	G	≀≀, ≀≀ and ≀ scattered throughout, the former moving NNW; rain fell from 11h. 22m. to 11h. 28m.; gusts of wind.	
6	G	≀≀ scattered about moving NE; strong gusts of wind; rain commenced at 0h. 44m.	Mean daily temperature of ground 20 and 60 inches below its surface 84°1 and 83°5. Daily fall of rain by Osler's Gauge 0·58 in.
8	C	Overcast with ≀≀ moving NNE; strong gusts of wind from S; rain ceased at 1h. 28m.	
8	C	Densely clouded with ≀≀ moving NE; strong wind from S; rain fell from 2h. 31m. to 2h. 54m.	
8	C	Densely clouded with ≀≀ moving NE; fresh breezes of wind; rain fell from 3h. 40m. to 3h. 50m.	
8	C	Densely clouded with ≀≀ moving NE; fresh breezes from WSW; rain fell from 4h. 14m. to 4h. 24m.	
7	B	≀≀ scattered throughout moving E; fresh breezes of wind from SW.	27th October was the 50th day on which wind blew abnormally; it was the 97th rainy day.
6	B	≀≀ and ≀ scattered about, the former moving ENE; gusts of wind from WNW.	
4	B	≀≀ and ≀ scattered about, the former moving ENE; fresh breezes of wind from W; a few drops of rain fell at 7h. 58m.	
7	B	≀≀ scattered about moving ENE; fresh breezes of wind from NW.	
6	G	≀≀ scattered about moving ENE; fresh brezees of wind from W.	
6	G	" " "	
6	G	" " "	
7	G	∩ in E hor.; ≀≀ and ≀ scattered about.	
4	C	∩ along the E hor.; ≀≀ above E and N hor.; ≀≀ and ≀ scattered about.	
6	C	∩ along the E hor.; ≀ and ≀≀ scattered about, the latter moving SE.	
7	C	Clouded as before; fresh breezes of wind from NW.	
5	C	≀≀ and ≀ scattered about, the former moving SE.	
4	B	" " "	
4	B	" " "	
2	B	≀≀ scattered about moving SE.	
0	B	≀ above NE hor. and ≀≀ around hor.	
1	G	Masses of ≀≀ scattered here and there.	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°5 and 83°8.
0	C	" "	
0	C	A few pieces of clouds along the W hor.; dew falling.	
1	C	≀≀ scattered along the W hor.	
1	C	" "	
1	G	≀≀ scattered along the W hor.; dew falling.	
1	G	≀ scattered above E hor.	
0	G	Mist along the W hor.	
1	G	Large pieces of clouds along the E hor.; mist in hor.	
0	B	A few patches of ≀≀ in E hor.; mist along the W hor.	
1	B	≀≀ scattered along the E hor.; mist along the W hor.	
2	B	≀≀ scattered from NE to SE hor.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Oct. 28th-Noon.	29.910	29.242	81°7	72°0	9°7	67°4	0.668	0.63	79°2	80°3	ESE	0.1					
1 p. m.	.892	.231	82.7	72.1	10.6	67.1	.661	.61	79.8	80.3	NW b N	0.3					
2 „	.873	.212	83.4	72.3	11.1	67.1	.661	.59	80.4	80.4	NW	0.2					
3 „	.864	.217	83.6	72.0	11.6	66.1	.647	.58	80.6	80.5	NW b N	0.3					
4 „	.866	.239	83.1	71.3	11.8	65.4	.627	.57	80.4	80.5	NW	0.4					
5 „	.879	.234	80.5	71.0	9.5	66.3	.645	.64	79.5	80.5	NW b N	0.4					
6 „	.891	.253	78.0	70.0	8.0	66.0	.638	.68	78.6	80.5	NNW	0.4	None.	None.	None.	None.	None.
7 „	.919	.267	77.5	70.2	7.3	66.6	.652	.71	78.4	80.5	„	0.3					
8 „	.937	.253	77.0	71.0	6.0	68.1	.684	.75	78.0	80.5	„	0.1					
9 „	.940	.194	75.8	72.3	3.5	70.8	.746	.85	76.5	80.4	N b W	0.1					
10 „	.937	.184	74.0	72.0	2.0	71.1	.753	.91	76.0	80.3	„	0.2					
11 „	.937	.236	73.6	70.4	3.2	68.9	.701	.86	75.5	80.2	N	0.1					
Oct. 29th-Midnight	.938	.247	73.2	70.0	3.2	68.4	.691	.86	75.3	80.1	N b W	0.1					
1 a. m.	.934	.241	73.0	70.0	3.0	68.5	.693	.87	75.2	80.1	N	0.1					
2 „	.928	.235	73.0	70.0	3.0	68.5	.693	.87	75.0	80.1	„	0.1					
3 „	.921	.217	72.0	70.0	2.0	69.0	.704	.91	74.9	80.0	„	0.2					
4 „	.920	.250	72.0	69.0	3.0	67°5	.670	.87	74.6	79.9	N b E	0.1					
5 „	.945	.308	72.0	68.0	4.0	65.9	.637	.82	74.5	79.6	„	0.1					
6 „	.968	.328	71.7	68.0	3.7	66.1	.640	.84	73.9	79.5	„	0.1					
7 „	.988	.304	73.8	70.0	3.8	68.1	.684	.83	74.5	79.4	NNE	0.3					
8 „	.999	.339	76.0	70.0	6.0	67.0	.660	.75	75.5	79.4	NE b N	0.3					
9 „	30.001	.335	77.7	70.7	7.0	67.3	.666	.72	76.6	79.4	„	0.2					
10 „	29.995	.344	80.0	71.0	9.0	66.6	.651	.65	78.0	79.5	„	0.2					
11 „	.952	.300	81.6	71.5	10.1	66.6	.652	.62	79.3	79.6	NNE	0.1					
Noon.	.924	.276	83.5	72.0	11.5	66.5	.648	.58	80.0	79.7	N b E	0.1	None.	None.	None.	None.	None.
1 p. m.	.904	.242	85.5	73.0	12.5	66.6	.662	.56	80.5	79.8	NW b N	0.3					
2 „	.879	.159	85.8	74.6	11.2	69.7	.720	.60	81.6	79.9	NW	0.4					
3 „	.866	.116	85.2	75.2	10.0	71.0	.750	.64	82.0	80.0	NW b N	0.6					
4 „	.866	.107	84.4	75.2	9.2	71.3	.759	.66	81.6	80.1	„	1.0					
5 „	.876	.150	81.5	73.5	8.0	69.9	.726	.69	80.5	80.3	NNW	0.7					
6 „	.880	.151	79.5	73.0	6.5	70.1	.729	.74	80.0	80.4	NW b N	0.8					
7 „	.896	.161	79.0	73.0	6.0	70.3	.735	.76	79.6	80.4	NNW	0.6					
8 „	.915	.201	77.5	72.0	5.5	69.4	.714	.77	78.6	80.4	N b W	0.4					
9 „	.923	.177	75.8	72.3	3.5	70.8	.746	.85	71.8	80.3	„	0.3					
10 „	.927	.140	75.3	73.3	2.0	72.5	.787	.91	77.6	80.2	„	0.2					
11 „	.920	.141	75.0	73.0	2.0	72.1	.779	.91	76.7	80.1	„	0.1					
Oct. 30th-Midnight	.917	.176	74.4	72.4	2.0	70.6	.741	.91	76.0	80.0	N b W	0.1					
1 a. m	.903	.224	74.3	70.0	4.3	67.9	.679	.81	76.0	80.0	„	0.1					
2 „	.896	.231	74.0	69.5	4.5	67.2	.665	.81	75.7	80.0	„	0.3					
3 „	.895	.238	73.8	69.2	4.6	66.9	.657	.80	75.5	79.9	„	0.1					
4 „	.897	.205	74.4	70.4	4.0	68.5	.692	.83	75.5	79.9	„	0.1					
5 „	.913	.290	73.3	68.0	5.3	65.3	.623	.77	74.8	79.7	„	0.2					
6 „	.934	.286	73.0	69.0	4.0	66.5	.648	.82	74.5	79.5	„	0.1					
7 „	.953	.242	76.2	71.5	4.7	69.3	.711	.80	76.0	79.4	N b E	0.1					
8 „	.968	.257	77.8	72.0	5.8	69.3	.711	.76	77.0	79.5	NE b E	0.2					
9 „	.974	.184	79.6	74.6	5.0	72.6	.790	.80	77.9	79.6	„	0.2					
10 „	.960	.257	80.6	72.6	8.0	69.0	.703	.69	78.5	79.6	„	0.1					
11 „	.929	.227	82.0	73.0	9.0	68.9	.702	.63	79.3	79.6	„	0.1					
Noon.	.896	.117	82.6	75.2	7.4	72.1	.779	.72	80.0	79.8	„	0.1	None.			None.	
1 p. m.	.870	.126	85.0	75.0	10.0	70.7	.744	.64	80.7	79.9	W	0.1					
2 „	.849	.144	86.5	74.4	12.1	69.0	.705	.58	81.9	80.0	WNW	0.2					
3 „	.836	.129	87.0	74.6	12.4	69.1	.707	.57	83.0	80.1	N W b W	0.2					
4 „	.841	.111	86.3	75.0	11.3	70.1	.730	.60	82.6	80.2	NW	0.3					
5 „	.857	.149	83.5	73.6	9.9	69.2	.708	.64	81.5	80.4	NW b N	0.5					
6 „	.862	.159	81.0	73.0	8.0	69.4	.713	.69	81.0	80.4	„	0.6					
7 „	.877	.190	80.0	72.0	8.0	68.2	.687	.69	80.2	80.4	„	0.4					
8 „	.894	.166	79.6	73.0	6.6	70.0	.728	.74	80.0	80.4	NNW	0.1					
9 „	.901	.107	78.8	74.5	4.3	72.8	.794	.82	79.0	80.4	„	0.1		+	6		0.21
10 „	.901	.139	77.2	73.2	4.0	71.4	.762	.83	78.3	80.4	„	0.1		+	8		0.12
11 „	.894	.128	76.2	73.0	3.2	71.6	.766	.86	78.0	80.3	„	0.0		+	10		1.02

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀≀ nimbi.	
2	B	≀≀ and ≀ scattered along the E hor.	
2	C	" " "	
2	C	≀≀ scattered along the E hor.	
2	C	" "	
1	C	" "	
1	B	≀≀ and ≀ scattered from N to S hor.	
1	B	" " "	
0	B	A few ≀ above ENE hor.	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°7. On the 29th, at 9h. A.M., Barometer was 30·001 being highest in the month; on the same day, at 6h. A.M., temperature of Air was 71·7 lowest in the month. 29th October was the 15th day on which the sky remained almost cloudless.
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	A few ≀ above E hor.	
0	B	A few ≀ above E hor.; mist in hor	
0	B	" " "	
0	G	Haze along the E hor.	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	C	A few pieces of clouds in N hor.	
0	C	" " "	
0	C	" " "	
0	C	Cloudless.	
0	B	Haze along the E hor.	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	Cloudless and dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°7. On the 30th, at 5h. A.M., temperature of Evaporation was 68·0 lowest in the month.
0	C	A few pieces of clouds above W hor.	
0	C	" " "	
0	C	Cloudless.	
0	C	Cloudless and dew falling.	
0	B	Cloudless.	
0	B	"	
0	B	Mist around hor.	
0	B	" "	
0	G	" "	
0	G	A few ≀ in E hor.; mist in hor.	
1	G	≀ scattered along the E hor.; mist in hor	
1	G	≀ scattered above NE, E and SE hor.	
2	C	≀≀ scattered along the E hor.	
2	C	≀≀ scattered about hor. from NW to SE.	
2	C	≀≀ scattered along the E hor.	
1	C	" "	
0	B	A few pieces of ≀≀ and haze in E hor.	
0	B	" " "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawsof Volta 1.	Readings of Strawsof Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Oct. 31st-Midnight	29.880	29.110	75°8	73°0	2°8	71°8	0.770	0.88	77°2	80°3	NNW	0.2		+	6		1.11
1 a. m.	.865	.141	74.4	71·3	3.1	69.9	.724	.86	77.0	80.2	,,	0.1		+	2		4.30
2 ,,	.850	.128	74.6	71.3	3.3	69.8	.722	.86	76.7	80.2	,,	0.1		+	8		2.40
3 ,,	.837	.150	73.5	70.0	3.5	68.2	.687	.85	76.2	80.1	,,	0.1		+	4		3.10
4 ,,	.839	.152	74.5	70.3	4.2	68.2	.687	.82	76.0	80.1	NE	0.1		+	2		5.10
5 ,,	.849	.134	74.2	71.0	3.2	69.5	.715	.86	76.0	80.0	ENE	0.0					
6 ,,	.870	.206	73.2	69.2	4.0	67.2	.664	.82	75.2	79.7	,,	0.0					
7 ,,	.888	.215	74.8	70.0	4.8	67.6	.673	.79	76.0	79.6	,,	0.1					
8 ,,	.906	.289	76.8	69.0	7.8	65·0	.617	.68	76.6	79.6	,,	0.3					
9 ,,	.907	.258	79.2	70.2	9·0	66.5	.649	.65	77.5	79.7	,,	0.2					
10 ,,	.898	.258	81.0	71.0	10.0	66.1	.640	.62	78.4	79.8	,,	0.1	None.			None.	
11 ,,	.878	.205	82.4	72.6	10.1	66.6	.673	.62	79.0	79.8	,,	0.2					
Noon.	.843	.166	84.2	73·0	11.2	67.8	.677	.59	79.8	79.9	,,	0·1					
1 p. m.	.819	.124	86.0	74.0	12.0	68.6	.695	.57	82.0	80.0		0.2					
2 ,,	.799	.104	87.4	74.4	13.0	68.6	.695	.55	82.5	80.2		0.2					
3 ,,	.784	.068	87.5	75.0	12.5	69.5	.716	.57	83.1	80.3		0.5					
4 ,,	.788	.043	86.7	75·5	11.2	70.7	.745	.60	83.0	80.4		0.5					
5 ,,	.796	28.964	84.8	77.2	7.6	74.2	.832	.71	82.6	80.4		0.3					
6 ,,	.806	.944	81.4	77.0	4.4	75.3	.862	.82	82.0	80.4		0.2		+	2		Above 10m.
7 ,,	.820	.967	80.6	76.5	4.1	75.0	.853	.84	80.2	80.4		0.4		+	4		1.28
8 ,,	.849	29.011	80.0	76.0	4.0	74.4	.838	.84	80.0	80.3		0·3		+	8		2·7
9 ,,	·854	.058	77.8	74.3	3.5	72.8	.796	.85	79.2	80.3		0.2		+	2		Above 10m
10 ,,	.854	.056	76.6	74.0	2.6	72.9	.798	.89	78.2	80.3		0.1		+	2		Above 10m.
11 ,,	.854	.049	76.0	74.0	2.0	73.2	.805	.91	78.0	80.2		0.2		+	1		Above 10m.
Nov. 2nd-Midnight	.862	.246	74.5	68.2	6.3	64.9	.616	.73	76.9	80.4	N b W	0·0					
1 a. m.	.857	.241	74.5	68.2	6.3	64.9	.616	.73	76.6	80.4	N	0.2					
2 ,,	.843	.156	73.8	69.2	4.6	66.9	.657	.80	76.0	80·3	,,	0.2					
3 ,,	.844	.187	73.8	69.2	4·6	66.9	.657	.80	75.7	80.3	,,	0.4					
4 ,,	.856	.203	74.2	69.2	5.0	66.7	.653	.78	75.7	80.1	NE b N	0·5					
5 ,,	.870	.222	74.0	69.0	5.0	66.5	.648	.78	75.6	79.9	,,	0.2					
6 ,,	.894	.262	73.4	68.3	5.1	65.7	.632	.78	75.2	79.9	ENE	0.2					
7 ,,	.907	.250	74.8	69.5	5.3	66.9	.657	.77	76.0	79.8	,,	0.2					
8 ,,	.927	.268	76.1	70.0	6.1	67.0	.659	.75	76.0	79.7	,,	0.2					
9 ,,	.940	.267	78·0	71.0	7.0	67.6	.673	.72	77.0	79.7	,,	0.2					
10 ,,	.927	.289	79.6	70.5	9.1	66.0	.638	.65	78.0	79.6	,,	0.2					
11 ,,	.904	.344	82.0	69.0	13.0	62.0	.560	.52	80.0	79.6	,,	0.1	None.			None.	
Noon.	.875	.275	84.5	71.0	13.5	64.1	.600	.52	81.0	79.8	,,	0.1					
1 p. m.	.842	.243	87.0	71.7	15.3	64.1	.599	.48	81.9	79.9	WNW	0.2					
2 ,,	.814	.119	87.4	74.4	13.0	68.6	.695	.55	82·0	80.0	W b N	0.3					
3 ,,	.803	.108	87·4	74.4	13.0	68.6	.695	.55	82.5	80.1	WNW	0.4					
4 ,,	.803	.089	86.7	74.7	12.0	69.4	.714	.58	82.5	80.2	NW b W	0.3					
5 ,,	.812	.076	83·3	74.3	9.0	70.4	.736	.66	82.0	80.4	,,	0.4					
6 ,,	.823	.075	81.2	74·0	7.2	70.9	.748	.72	81.0	80.5	,,	0.3		+	10		1.5
7 ,,	.840	.112	80.7	73.3	7.4	70.0	.728	.71	80.8	80.6	NW	0.6		+	8		1.40
8 ,,	.855	.168	80.0	72.0	8.0	68.2	.687	.69	80.6	80.7	,,	0.7		+	6		2·35
9 ,,	.868	.167	78.7	72.0	6.7	68.9	.701	.73	79.9	80.7	NW b N	0.4		+	8		1.20
10 ,,	.865	.174	78.0	71·5	6.5	68.4	.691	.73	79.5	80.6	,,	0.3		+	6		1.00
11 ,,	.864	.185	76.8	70.8	6.0	67.9	.679	.75	78.5	80.5	N b W	0.1		+	2		Above 10m.
Nov. 3rd-Midnight	.855	.172	75.5	70.5	5.0	68.1	.683	.79	77.5	80.5	N b W	0.0		+	4		2.15
1 a. m.	.852	.065	75.3	73.3	2.0	72.5	.787	.91	77·0	80.2	N	0.2		+	2		2.27
2 ,,	.845	.066	75.0	73.0	2.0	72.1	.779	.91	76.8	80.1	,,	0.2		+	1		Above 10m.
3 ,,	.845	.066	75.0	73.0	2.0	72.1	.779	.91	76.3	80.0	,,	0.1		+	6		1.11
4 ,,	.849	.127	74.6	71.3	3.3	69.8	.722	.86	76.0	80.0	N b E	0.2		+	4		2.37
5 ,,	.862	.128	74.0	69.5	4.5	67.2	.664	.81	76.0	80.0	NNE	0.2		+	2		3.10
6 ,,	.896	.270	73.0	68.0	5.0	65.4	.626	.78	75.4	79.9	NE b N	0.1	None.			None.	
7 ,,	.915	.273	74·5	69.0	5·5	66·2	.642	.77	76.0	79.9	,,	0.2					
8 ,,	.932	.272	76.0	70.0	6.0	67.0	.660	.75	76.4	79.9	,,	0.2					
9 ,,	·944	.306	78.0	70.0	8.0	66.0	.638	.68	77.6	79.6	,,	0.2					
10 ,,	.933	.312	79·5	70.0	9.5	65.0	.621	.63	78.2	79.6	,,	0.1					
11 ,,	.909	.363	81.8	68.5	13.3	61.4	.546	.52	79.4	79.8	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌒i cirri; ⌒i cirro-cumuli; ⌒i cumuli; ⌒i cirro-strati; ⌒i cumulo-strati; and ⌒i nimbi.	
0	G	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°6. On the 31st the temperature of Dew-Point was 65·0 lowest in the month. 31st October was the 16th day on which the sky remained almost cloudless.
0	C	A few pieces of clouds above N hor.; dew falling.	
0	C	" " "	
0	C	Cloudless; dew falling.	
0	C	" "	
0	B	" "	
0	B	Cloudless.	
0	B	Mist and fog. in hor.	
0	B	" "	
0	G	Haze around hor.	
0	G	" "	
0	G	Cloudless.	
0	G	A few pieces of clouds in W hor.	
0	C	A few pieces of clouds in NE hor.	
0	C	A few pieces of clouds along the E hor.	
0	C	" " "	
0	C	A few pieces of clouds above NE hor.	
0	G	Hazy along the E hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 84°0 and 83°7. 2nd November was the 20th cloudless day.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	B	Mist along the W hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°9 and 83°6. 3rd November was the 21st cloudless day.
0	G	Cloudless and dew falling.	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	C	"	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	B	Mist along the W hor.	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 Inch in the Ground.	Thermometer 6 Inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 3rd-Noon.	29.877	29.322	84°0	69°5	14°5	61°8	.555	.49	80°4	80°0	NW	0.4					
1 p. m.	.835	.265	85.4	70.4	15.0	62.6	.570	.48	81.0	80.0	,,	0.3					
2 ,,	.816	.180	86.3	72.5	13.8	65.9	.636	.52	82.7	80.1	,,	0.4					
3 ,,	.806	.170	86.3	72.5	13.8	65.9	.636	.52	83.0	80.2	,,	0.5					
4 ,,	.809	.114	86.0	74.0	12.0	68.6	.695	.57	82.2	80.4	,,	0.6		+	4	3	2.12
5 ,,	.820	.071	83.1	74.6	8.5	70.9	.749	.68	81.5	80.5	NW b N	0.3		+	8	6	Above 10m.
6 ,,	.833	.060	81.0	74.6	6.4	71.9	.773	.75	81.0	80.6	NNW	0.3	None.	+	18	14	2.5
7 ,,	.852	.093	80.2	74.0	6.2	71.3	.759	.75	80.5	80.7	,,	0.4		+	10	8	2.20
8 ,,	.864	.093	79.7	74.2	5.5	71.8	.771	.78	80.2	80.7	N b W	0.3		+	14	12	1.4
9 ,,	.878	.169	78·0	72.0	6.0	69.2	.709	.76	79.2	80.7	,,	0.1		+	14	12	0.10
10 ,,	.875	.157	77.2	72.0	5.2	69.6	.718	.78	79.0	80.6	,,	0.0		+	10	8	1·00
11 ,,	.856	.146	76.0	71.2	4.8	69.3	.710	.80	77.8	80.5	,,	0.0		+	18	16	0.20
Nov. 4th-Midnight	.843	.189	75·0	69.5	5.5	66.7	.654	.77	77.0	80.3	N b W	0.0		+	12	10	0·30
1 a. m.	.835	.181	75.0	69.5	5.5	66.7	.654	.77	76.8	80.2	NE b E	0.0		+	8	6	0.56
2 ,,	.831	.174	74.8	69.5	5.3	66.9	.657	.77	76.7	80.2	,,	0.2		+	14	12	0.21
3 ,,	.825	.168	74.8	69.5	5.3	66.9	.657	.77	76.2	80.1	ENE	0.0		+	4		1·52
4 ,,	.831	.152	74.3	70.0	4.3	67.9	.679	.81	76.0	80.0	,,	0.0		+	2		2.26
5 ,,	.838	.156	74·0	70.0	4.0	68.0	.682	.83	76.0	80.0	E b N	0.2		+	2		3.50
6 ,,	.866	.209	73.2	69.0	4.2	66.9	.657	.82	75.8	79.9	E	0.1		+	2		3·50
7 ,,	.879	.218	74.0	69.4	4.6	67.1	.661	.80	75.5	79.8	,,	0.1		+	10		2.10
8 ,,	.896	.247	77.0	70.0	7.0	66.5	.649	.71	76.2	79.7	E b N	0.1		+	8		3.5
9 ,,	.905	.261	79.0	70.5	8.5	66.3	.644	.67	78.0	79·6	,,	0.3		+	3		1.40
10 ,,	.898	.250	81.3	71.3	10.0	66.5	.648	.62	79.0	79.8	,,	0.2	None.				
11 ,,	.871	.247	83.0	71·2	11.8	65.3	.624	.57	80.0	79.9	,,	0.1					
Noon.	.839	.291	84.6	69.5	15.1	61.4	.548	.48	80.8	80.0	,,	0.1					
1 p. m.	.814	.261	87.2	70.5	16.7	61·6	.553	·44	82.0	80.0	NW b W	0.1					
2 ,,	.798	.248	87.5	70.5	17.0	61.5	.550	.44	82.6	80.1	NW b N	0·2					
3 ,,	.798	.225	87.0	71.0	16.0	62.7	.573	·46	82.5	80.3	,,	0.3					
4 ,,	.789	.172	86.4	72.0	14.4	65.0	.617	.50	82.5	80.4	,,	0.2					
5 ,,	.800	.157	84.0	72.0	12.0	66.2	.643	.57	82.0	80.6	,,	0.2					
6 ,,	.808	.085	81.4	73.4	8.0	69.8	.723	.69	81·4	80·7	,,	0.1		+	8	6	2.20
7 ,,	.824	.031	80.5	75.0	5.5	72.7	.793	.78	81.0	80.8	,,	0.2		+	10	8	1.12
8 ,,	.841	.042	80.0	75.0	5.0	73.0	.799	.80	80.6	80.8	NNW	0.2		+	8	6	1.22
9 ,,	.842	.043	78.6	74.6	4.0	73.0	.799	.84	80.0	80.7	,,	0.0		+	6	4	2.00
10 ,,	.839	.117	76·8	72.0	4·8	69.8	.722	.80	78.9	80.6	,,	0.0		+	14	12	0·30
11 ,,	.830	.101	76.2	72.0	4.2	70.1	.729	.82	78.3	80.6	,,	0.0		+	10	8	0.40
Nov. 5th-Midnight	.820	.089	76.0	72.0	4·0	70.2	.731	.83	77.9	80.5	NNW	0.3		+	6	4	1.00
1 a. m.	.806	.019	75.3	73.3	2·0	72.5	.787	.91	77.0	80.4	NE	0.2		+	10	8	1.21
2 ,,	.799	28.999	74.8	73.5	1.3	73.0	.800	.94	76.5	80.2	NE b E	0.4		+	8	6	2.46
3 ,,	.795	29.005	74.0	73.0	1·0	72.6	.790	.96	76.2	80.0	ENE	0.0		+	6	4	1.48
4 ,,	.795	.018	73.5	72.5	1.0	72.0	.777	.96	75.8	80.0	,,	0.1		+	6	4	2.8
5 ,,	.802	.080	73.5	71.0	2·5	69.8	.722	.89	75.8	80.0	,,	0.1		+	2		3.5
6 ,,	.839	.134	73.5	70.5	3.0	69.0	.705	.87	75·5	79.9	,,	0.1		+	20	20	1·55
7 ,,	.854	.130	74.7	71.4	3.3	69.9	.724	.86	76.0	79.8	,,	0.1		+	4		2.20
8 ,,	.869	.156	76.0	71.5	4.5	69.4	.713	.81	76.5	79.7	E b N	0.1		+	2		4.10
9 ,,	.888	.181	78.2	72.0	6.2	69.1	.707	.75	77.9	79.6	ENE	0.1					
10 ,,	.879	.181	79.0	72.0	7.0	68.7	.698	.72	78.1	79.7	,,	0.1					
11 ,,	.865	.167	80.7	72.5	8.2	68.7	.698	.68	79.0	79.8	,,	0.1	None.				
Noon.	.835	.130	83.4	73.5	9.9	69.0	.705	.63	80.1	79.9	SE b E	0.2					
1 p. m.	.810	.057	84.9	75.2	9.7	71.1	.753	.65	81.4	80.0	WSW	0.1					
2 ,,	.774	28.993	86.0	76.5	9.5	72.6	.791	.66	81.7	80.1	,,	0.2					
3 ,,	.778	.969	86.2	77.0	9.2	73.3	.809	.67	82.0	80.3	W b S	0.2					
4 ,,	.778	29.006	86.0	76.0	10.0	71.8	.772	.64	81.9	80.4	W b N	0.1					
5 ,,	.793	.042	83.0	74.6	8.4	71.0	.751	.68	81.0	80.5	WNW	0.1					
6 ,,	.800	.041	80.8	74.2	6.6	71.3	.759	.74	80.3	80.6	NW b W	0.1					
7 ,,	.820	.059	80.0	74.0	6.0	71.4	.761	.76	80.0	80.7	,,	0.1					
8 ,,	.836	.058	77.8	73.8	4.0	72·1	.778	.83	79.4	80.7	,,	0.0					
9 ,,	.835	.057	76.8	73.5	3·3	72.1	.778	.86	78.6	80.6	,,	0.0					
10 ,,	.832	.067	76.3	73·0	3.3	71.6	.765	.86	78.0	80.6	SW b W	0.0					
11 ,,	.826	.061	76.3	73.0	3.3	71·6	.765	.86	78.0	80.6	SW b S	0.0					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are : ⌐ cirri ; ⌐ cirro-cumuli ; ⌒ cumuli ; ⌣ cirro-strati ; ⌒ cumulo-strati ; and ⌒ nimbi.	
0	B	Cloudless.	
0	G	Haze along the E hor.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°8 and 83°4. 4th November was the 22nd cloudless day.
0	G	Cloudless and dew falling.	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Mist and fog in hor.	
0	C	" "	
0	C	" "	
0	B	Mist from W to N hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	"	
0	G	"	
0	G	Haze along the E hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	Cloudless and dew falling.	
0	B	Cloudless and dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°4. 5th November was the 51st day on which wind blew abnormally.
0	G	" "	
0	G	" "	
0	G	" "	
0	G	" "	
0	C	" "	
1	C	⌐ scattered in SE hor. ; ⌣ along the W hor. ; mist and fog around hor.	
1	C	⌐ scattered from SW to NW hor. ; mist and fog in hor.	
0	C	A few ⌐ along the W hor. ; mist in hor.	
0	B	Mist along the E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	Mist around hor. except in W.	
0	G	A few pieces of clouds in E hor. ; mist in hor.	
0	G	" " "	
0	G	" " "	
0	C	" " "	
0	C	Mist around hor.	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 6th-Midnight	29.820	29.043	75·3	73·0	2·3	72·0	0.777	0.90	77·3	80·5	S b E	0.3					
1 a. m.	.801	.001	74.8	73.5	1.3	73.0	.800	.94	77.0	80.4	„	0.2					
2 „	.796	.008	74.2	73.0	1.2	72.5	.788	.95	76.5	80.3	„	0.2					
3 „	.795	.005	74.0	73.0	1.0	72.6	.790	.96	76.0	80.1	„	0.1					
4 „	.795	.111	73.8	70.0	3.8	68.1	.684	.83	76.0	80.0	„	0.1					
5 „	.813	.058	73.8	72.0	1.8	71.2	.755	.92	76.0	80.0	SSE	0.2					
6 „	.833	.078	73.8	72·0	1.8	71.2	.755	.92	75.7	79.9	„	0.1					
7 „	.853	·074	75.0	73.0	2.0	72.1	.779	.91	76.0	79.8	„	0.1					
8 „	.871	.093	76.4	73.4	3.0	72.1	.778	.87	76.2	79.7	E b N	0.1					
9 „	.881	.131	77.6	73.0	4.6	71.0	·750	.81	77.6	79.6	„	0.2					
10 „	.881	.117	78.0	73.5	4.5	71·5	.764	.81	77·9	79.6	ENE	0.2					
11 „	.854	·107	79.6	73.5	6.1	70.8	.747	·76	78.6	79.7	„	0.1	None.	None.	None.	None.	None.
Noon.	.824	.060	81.5	74.5	7.0	71.5	.764	.73	79.6	79.8	W	0.1					
1 p. m.	.794	.028	83.0	75.0	8.0	71.6	.766	.70	80.0	80.0	NW	0.4					
2 „	·775	.025	83.8	74.8	9.0	71.0	.750	.67	80.6	80.0	„	0.6					
3 „	.774	.021	84.9	75.2	9.7	71.1	.753	.65	81.2	80.2	NW b N	0.7					
4 „	.774	.019	84.0	75.0	9.0	71.2	.755	.67	81.0	80.2	„	0.6					
5 „	.787	.034	81.4	74.2	7.2	71.1	.753	.72	80·6	80.3	„	0.6					
6 „	.805	.081	80.0	73.0	7.0	69.9	.724	.72	80.0	80.3	NNW	0.2					
7 „	.825	.092	79.2	73.0	6.2	70.2	.733	.75	79·5	80.4	NW b N	0.2					
8 „	.846	.111	79.0	73.0	6.0	70.3	.735	.76	79.2	80.3	„	0.3					
9 „	.859	.113	78.0	73.0	5.0	70.8	.746	.79	78.8	80·3	NNW	0.3					
10 „	.854	.101	77.4	73.0	4.4	71.1	.753	.82	78·5	80.3	„	0.3					
11 „	.852	·152	75.5	71·0	4.5	68.8	.700	.81	77·5	80.2	„	0.1					
Nov. 7th-Midnight	.848	.173	74.6	70.0	4.6	67.7	·675	.80	76.8	80.1	NNW	0.1					
1 a. m.	.836	.157	74.3	70.0	4.3	67.9	.679	.81	76.4	80.0	N b W	0.2					
2 „	.827	.110	74.0	71.0	3.0	69.6	·717	.87	75.8	79.8	„	0.4		+	1		Above 10m.
3 „	.824	.047	73.5	72.5	1.0	72·0	.777	.96	75.5	79.7	„	0·6		+ +	4		3.11
4 „	.833	.056	73.5	72.5	1.0	72.0	.777	.96	75.3	79.6	„	0.4		+ + +	1		Above 10m.
5 „	.841	.080	73.3	72.0	1.3	71.4	·761	.94	75.0	79.5	W	0.4		+ + +	1		Above 10m.
6 „	.869	.141	73.0	71·0	2.0	70.0	.728	.91	75.0	79.3	N b E	0.3		+ +	2		2.28
7 „	.885	.170	74.2	71.0	3.2	69.5	.715	.86	75.1	79.2	„	0·1		+	4		1.56
8 „	.903	.172	76.0	72.0	4.0	70.2	·731	.83	76.0	79.2	NE b N	0.1					
9 „	.920	.247	78.0	71.0	7.0	67.6	.673	.72	77.0	79.2	„	0.1					
10 „	.913	.293	79.6	70.0	9.6	65.1	.620	.63	78.0	79.3	NE	0.2					
11 „	.894	.297	82.6	70.2	12.4	64.0	.597	.55	79.6	79.5	NE b N	0.1	None.			None.	
Noon.	.868	.278	83.9	70·5	13.4	63.6	.590	.52	80.5	79.6	NW	0.6					
1 p. m.	.835	.133	85.4	74.0	11.4	68.9	.702	·59	81.3	79.8	NW b N	0.7					
2 „	.818	.115	85.3	74.0	11.3	69.0	·703	.59	81.6	79.8	„	1.0					
3 „	.810	.101	84.8	74.0	10.8	69.2	·709	.61	81.8	79.9	„	1.2					
4 „	.815	.097	84.0	74.0	10.0	69.6	·718	·63	81.6	80.0	„	1.0					
5 „	.833	.119	80·9	73 0	7.9	69.4	·714	.69	80.6	80.0	„	0.7					
6 „	.845	.111	79.7	73.2	6.5	70.3	·734	.74	80.0	80.0	„	0.7					
7 „	.859	.131	79.6	73.0	6.6	70.0	.728	.74	79.9	80.0	NNW	0.5					
8 „	.875	.107	79.2	74.0	5.2	72.1	·770	.79	79.6	80.0	„	0.8					
9 „	.894	.139	77.2	73.0	4.2	71.2	.755	.82	78.5	80.0	N	0.3					
10 „	.895	.200	76·0	71.0	5.0	68.6	.695	.79	77.5	80.0	„	0.2					
11 „	.892	.188	75.2	71.0	4.2	69.0	.704	.82	77.0	80.0	N b E	0.1					
Nov. 9th-Midnight	.892	.349	74.6	66.0	8.6	61.1	·553	.65	76 5	79.7	N b E	0.0					
1 a. m.	.863	.221	74.5	69.0	5·5	66·2	.642	.77	76.2	79.6	„	0·0					
2 „	.857	.215	74.5	69·0	5.5	66.2	.642	.77	76.0	79.5	„	0.0					
3 „	.857	.220	75.0	69.0	6.0	65.9	·637	.75	76.0	79.4	NE b N	0.2					
4 „	.859	.222	75.0	69.0	6.0	65.9	.637	.75	76.0	79.4	NE	0.4					
5 „	.866	·229	75.0	69.0	6.0	65.9	.637	.75	76.0	79·4	„	0.1	None.	None.	None.	None.	None.
6 „	.897	.357	72.0	65.0	7.0	60.9	·540	.70	75.6	79.3	N b E	0·1					
7 „	.922	.392	74.0	65.4	8.6	60.4	·530	.64	75·6	79.2	„	0.1					
8 „	.939	.433	76.2	65.4	10.8	59·0	·506	.57	76.0	79.2	NNE	0.1					
9 „	.954	.368	79.6	69.0	10.6	63.4	.586	.60	76.9	79.1	„	0.1					
10 „	.946	.334	80.4	70.0	10.4	64.7	.612	.60	78.2	79.1	NE b E	0.1					
11 „	.928	.339	82.4	70.0	12.4	63.5	·589	.54	79.0	79.3	„	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ∿∿ cirro-cumuli; ⌒∿ cumuli; ⌒ cirro-strati; ⌒∿ cumulo-strati; and ∿∿ nimbi.	Remarks.
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°7 and 83°3. The height of Barometer at 3 and 4 P.M. was 29.774 in. lowest in the month. 6th November was the 52nd day on which wind blew abnormally.
0	G	" "	
0	G	A few ∿ scattered around hor.; dew falling.	
1	G	∿ scattered along the E. hor.; dew falling copiously.	
1	G	" " "	
0	C	A few ∿ above E. hor.; dew falling.	
1	C	∿ and ∿∿ scattered along the E. hor.; mist and fog in hor.	
1	C	" " "	
3	C	∿ and ∿∿ scattered about; mist and fog in hor.	
2	B	Scud floating about E. hem.; mist around hor. except in E.	
0	B	A few pieces of clouds above NW hor.; mist around hor. except in E.	
0	B	Mist around hor. except in E.	
0	B	Mist in N hor.	
0	G	" "	
0	G	Cloudless.	
0	G	Haze along the E. hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°0. 7th November was the 23rd cloudless day.
0	G	"	
0	G	Cloudless; dew falling.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	B	Mist along the E. hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	C	"	
0	C	"	
0	C	Mist along the E. hor.	
0	C	" "	
0	B	" "	
0	B	Cloudless.	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°5 and 83°0. 9th November was the 24th cloudless day.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	Mist along the W hor.	
0	B	" "	
0	B	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 11 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 9th—Noon.	29.892	29.281	83°6	71°0	12°6	64°7	0.610	0.55	80°2	79°4	NW b W	0.3					
1 p. m.	·865	.223	85.4	72.4	13.0	66.2	.642	.54	81.0	79.4	NW b N	0.2					
2 „	.832	.175	86.2	73.0	13.2	66.9	.657	.54	81.2	79.6	„	0.2					
3 „	.827	.191	86.3	72.5	13.8	65.9	.636	.52	81.4	79.8	„	0.2					
4 „	·828	.108	85.8	74.6	11.2	69.7	.720	.60	81.5	79·8	„	0.1					
5 „	.835	.098	82.2	74.0	8.2	70.4	.737	.69	81.0	79.9	„	0.1					
6 „	.847	.109	80.0	73.4	6.6	70.5	.738	.74	80.6	80.0	„	0.2	None.	+	20	20	1.20
7 „	.878	.131	79.2	73.4	5.8	70.8	·747	.77	80.2	80.1	„	0·3		+	20	20	1.12
8 „	.898	.126	79.0	74.0	5.0	71.8	.772	.80	80.0	80.2	„	0.3		+	Out of Sc.	24	1.4
9 „	.910	.197	77.6	72.0	5.6	69.4	.713	.77	79.2	80.1	„	0.3		+	14	12	0.30
10 „	.912	.219	76.2	71.0	5.2	68.5	.693	.78	78.0	80·0	N b W	0.1		+	15	15	0.10
11 „	.907	.236	75.0	70.0	5.0	67.5	.671	.79	77.4	80.0	„	0.0		+.	Out of Sc.	20	0.15
Nov. 10th—Midnight	.897	.232	74.0	69.5	4.5	67.2	.665	.81	76.5	79.8	N b W	0.0		+	10	10	0.5
1 a. m.	.878	.221	73.2	69.0	4.2	66.9	.657	.82	76.0	79.7	„	0.2		+	2		2.25
2 „	.867	.230	72.0	68·0	4.0	65.9	.637	.82	75.2	79.6	„	0.3		+	1		Above 10m.
3 „	.863	.223	71.7	68.0	3.7	66.1	.640	.84	74.7	79.4	„	0.0					
4 „	·870	.255	71.0	67.0	4.0	64.9	.615	.82	74.0	79·2	„	0.0					
5 „	.882	.299	71.0	66.0	5.0	63.2	.583	.78	74.0	79.2	„	0.0					
6 „	.906	.323	71.0	66.0	5.0	63.2	.583	.78	73.8	79.1	„	0.1		+	8		1.50
7 „	.937	.324	74·2	68.0	6.2	61.8	.613	.74	74.0	79.0	„	0.1		+	4		5.40
8 „	.954	.324	76.6	69.3	7.3	65.6	.630	.70	75.6	78.9	NE b N	0.1		+	4		2·5
9 „	.964	.297	78.5	71.0	7.5	67.3	.667	.70	77.0	78.9	„	0.1		+	8		0·35
10 „	.956	.340	80.0	70.0	10·0	64.9	.616	.62	77.9	79.0	NE	0.1		+	4		1.0
11 „	.934	.358	82.0	69.5	12.5	62.9	.576	.54	78.8	79.1	NE b N	0.1	None.	+	8		2.40
Noon.	.898	.263	83.0	71.5	11.5	65.9	.635	.58	80.0	79.2	NW b W	0.1					
1 p. m.	.867	.088	84.3	75.7	8.6	72.1	.779	.68	80.5	79.2	„	0.3					
2 „	852	.066	84.7	76.0	8.7	72.4	·786	.68	80.8	79.3	NW	0.6					
3 „	.841	.047	84.0	76.0	8.0	72.8	.794	.70	80.8	79.4	„	0.5					
4 „	.838	.008	83.2	76.7	6.5	74.1	.830	.75	80.8	79.5	„	0.6					
5 „	.854	·100	80.6	74.0	6.6	71.1	.754	.74	80.1	79.6	NW b N	0.3					
6 „	.865	.095	79.2	74.0	5.2	71.8	.770	.79	79.3	79.7	„	0.2					
7 „	.896	.126	78.5	73.8	4.7	71.8	·770	.81	79.0	79.8	„	0.4					
8 „	.908	.136	78.3	73.8	4.5	71.8	·772	.81	78.9	79.8	„	0.3		+	2		1.18
9 „	.920	.163	77.0	73.0	4.0	71.2	.757	.83	78.7	79.8	N b E	0.2		+	2		4.10
10 „	.924	.214	75.7	71.3	4.4	69.3	.710	.81	78.2	79.6	„	0.1					
11 „	.923	.209	75.3	71.3	4.0	69.4	.714	.83	77.7	79.5	NNE	0.1					
Nov. 12th—Midnight	.941	.404	75.2	66.0	9.2	60.8	.537	.62	76.8	79.4	N b E	0.1					
1 a. m.	.926	.269	74.8	69.5	5.3	66.9	.657	.77	76.0	79.4	NE	0.2					
2 „	.910	.253	74.8	69.5	5.3	66.9	.657	.77	76.0	79.4	„	0.4		+	2		2.27
3 „	.906	.231	74·6	70.0	4.6	67.7	.675	.80	76.0	79.3	NE b E	0.4		+	4		1.56
4 „	.917	.242	74.6	70.0	4.6	67.7	.675	·80	76 0	79.2	ENE	0.3		+	2		1.21
5 „	.932	.248	73.8	70.0	3.8	68.1	.684	.83	75·8	79.1	„	0.2					
6 „	.959	.377	74.0	67.0	7.0	63.2	.582	.70	75.4	79.0	NE b E	0.4					
7 „	·989	.473	74.2	65.0	9.2	59.6	.516	.62	75.0	78.9	E b N	0.3					
8 „	30.008	.512	76.0	65.0	11.0	58.4	·496	.56	75·5	78.8	„	0.5					
9 „	.025	.549	77.8	65.0	12.8	57.2	.476	.51	76.4	78.8	„	0.3					
10 „	.010	.547	79.0	65.0	14.0	56.3	.463	.48	77.3	78.8	NE b E	0.5					
11 „	29.979	.483	81.8	67.0	14.8	58.4	.496	.47	78.8	78.8	ENE	0.4					
Noon.	.957	·561	83.5	64.5	19.0	51.7	.396	.36	80.0	79.0	„	0.3	None.				
1 p. m.	.917	.512	85·2	65.4	19.8	52.4	.405	.39	80.6	79.0	NNE	0.2					
2 „	.894	.503	85.4	65.0	20.4	51.3	.391	.33	80.8	79.1	„	0.2					
3 „	.884	.468	86.0	66.0	20.0	53.2	.416	.34	81.0	79.2	N b E	0.2					
4 „	.872	.497	87.2	65.2	22.0	50.1	.375	.30	81.5	79.4	NW bW	0.2		+	4		2.19
5 „	.886	.412	81·1	66.1	15.0	57.0	.474	.46	81.0	79.5	NW	0.2		+	4		4.10
6 „	.891	.331	79.0	68.0	11.0	62.0	.560	.58	80.0	79.6	„	0.3		+	2		Above 10m.
7 „	.904	.269	78 3	70.0	8.3	65.8	.635	.67	79.0	79.7	„	0.2		+	20	20	1.40
8 „	.923	.299	76.2	69·0	7.2	65.3	.624	.70	77·8	79.6	NNW	0.1		+	20	20	1.5
9 „	.935	.366	75·2	67.0	8.2	62.5	.569	.66	77.0	79.4	N b E	0.3		+	4		2·10
10 „	.937	.368	75.2	67.0	8.2	62.5	.569	.66	76.6	79.3	NNE	0.0		+	8		0.40
11 „	.938	.395	74.6	66.0	8.6	61·1	.543	.65	76.0	79.3	„	0.2		+	6		1.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ∿ cirri; ≀∿ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩ cumulo-strati; and ≀∿ nimbi.	
0	B	Mist along the W hor.	
0	G	A few pieces of ≀∿ and mist along the hor.	
0	G	" " "	
0	G	Mist along the E hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; slight dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 82°9.
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	C	"	10th November was the 17th day on which the sky remained almost cloudless.
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	Mist along the W hor.	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	A few ≀∿ in E hor.	
0	G	" "	
0	G	Mist around hor. except in S.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 82°8. At 9 A. M., the height of Barometer was 30·025 in. greatest in the month. 12th November was the 25th cloudless day.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	Mist in hor.	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 13th-Midnight	29.929	29.442	74°0	64°0	10°0	57°8	0.487	0.59	76°2	79°2	N b E	0.3		+	4		1.00
1 a. m.	.919	.450	73.8	63.3	10.5	56.7	.469	.56	74.8	79.0	NE b E	0.3		+	4		0.55
2 „	.904	.386	72.6	64.5	8.1	59.7	.518	.66	74.5	78.9	„	0.3		+	6		0.47
3 „	.896	.371	72.1	64.9	7.2	60.1	.525	.69	74.0	78.8	„	0.2		+	9		4.11
4 „	.901	.379	71.2	64.2	7.0	59.9	.522	.70	73.7	78.7	„	0.3		+	4		2.5
5 „	.908	.384	70.6	64.0	6.6	60.0	.524	.71	73.5	78.6	NE	1.2		+	2		2.16
6 „	.935	.443	70.8	63.0	7.8	58.1	.492	.66	73.0	78.4	„	0.2					
7 „	.953	.459	71.2	63.2	8.0	58.3	.494	.65	73.0	78.2	NE b N	0.1					
8 „	.961	.479	72.3	63.2	9.1	57.5	.482	.61	73.0	78.1	„	0.3					
9 „	.978	.502	75.0	64.0	11.0	57.2	.476	.56	74.5	78.1	NE b E	0.4					
10 „	.975	.536	77.0	63.5	13.5	54.7	.439	.48	75.5	78.1	„	0.5					
11 „	.955	.524	79.0	64.0	15.0	54.2	.431	.45	76.6	78.1	NE b N	0.2	None.			None.	
Noon.	.926	.526	81.8	64.0	17.8	52.0	.400	.38	78.0	78.2	N b E	0.2					
1 p. m.	.888	.357	84.0	68.8	15.2	60.4	.531	.47	79.0	78.3	NW b N	0.3		+	2		2.15
2 „	.872	.303	84.2	70.0	14.2	62.5	.569	.50	79.5	78.4	NW b W	0.4		+	2		Above 10m.
3 „	.857	.229	83.7	71.5	12.2	65.5	.628	.56	80.0	78.6	„	0.5		+	1		Above 10m.
4 „	.850	.203	83.6	72.0	11.6	66.4	.647	.57	80.0	78.7	NW	0.2		+	3		Above 10m.
5 „	.866	.215	80.0	71.0	9.0	66.6	.651	.65	79.5	78.8	„	0.3		+	8		3.27
6 „	.875	.202	78.0	71.0	7.0	67.6	.673	.72	79.0	78.9	NW b N	0.2		+	8		2.6
7 „	.893	.224	76.8	70.5	6.3	67.4	.669	.74	78.0	79.0	„	0.3		+	12		1.50
8 „	.905	.235	76.4	70.4	6.0	67.5	.670	.75	77.6	79.0	„	0.3		+	12		1.40
9 „	.920	.289	75.5	69.0	6.5	65.6	.631	.73	77.0	78.9	NNW	0.2		+	12		0.35
10 „	.919	.326	73.0	67.0	6.0	63.8	.593	.74	76.0	78.8	„	0.0		+	14		0.45
11 „	.908	.307	72.3	67.0	5.3	64.2	.601	.77	75.0	78.6	N	0.0		+	10		1.00
Nov. 14th-Midnight	.895	.363	72.7	68.1	4.6	65.7	.632	.80	75.0	78.6	NE b E	0.4		+	14	12	0.40
1 a. m.	.880	.240	71.7	68.0	3.7	66.1	.640	.84	74.1	78.5	ENE	0.5		+	12	10	1.11
2 „	.871	.223	71.0	68.0	3.0	66.5	.648	.86	73.0	78.4	E b S	0.4		+	14	12	2.39
3 „	.870	.222	71.0	68.0	3.0	66.5	.648	.86	73.0	78.2	ENE	0.2		+	6		2.21
4 „	.865	.198	70.8	68.5	2.3	67.3	.667	.90	72.9	78.1	NE b E	0.3		+	6		2.36
5 „	.877	.299	70.0	65.5	4.5	63.0	.578	.80	72.8	78.0	„	0.3		+	8		1.19
6 „	.895	.324	69.2	65.0	4.2	62.6	.571	.81	72.5	77.9	„	0.2		+	4		4.6
7 „	.919	.362	71.3	65.3	6.0	61.9	.557	.73	72.2	77.8	NE	0.3		+	4		4.10
8 „	.931	.418	73.0	64.5	8.5	59.4	.513	.64	73.0	77.7	„	0.1		+	2		5.20
9 „	.940	.444	75.4	64.8	10.6	58.4	.496	.57	73.9	77.7	NE b E	0.2		+	1		Above 10m.
10 „	.943	.437	78.0	66.0	12.0	59.0	.506	.54	75.8	77.8	„	0.1		+	2		3.18
11 „	.916	.396	80.2	67.2	13.0	59.8	.520	.51	76.7	77.9	„	0.2		+	1		Above 10m.
Noon.	.889	.320	84.2	70.0	14.2	62.5	.569	.50	78.9	78.0	„	0.2	None.	+	4		1.10
1 p. m.	.868	.229	84.4	72.0	12.4	66.0	.639	.55	79.8	78.2	WNW	0.4					
2 „	.853	.246	83.8	71.0	12.8	64.5	.608	.54	80.0	78.4	NW b W	0.4					
3 „	.849	.220	84.0	71.6	12.4	65.5	.629	.55	80.1	78.5	„	0.4					
4 „	.847	.163	83.5	73.0	10.5	68.1	.684	.62	80.1	78.6	NW	0.2					
5 „	.853	.094	89.8	74.2	6.6	71.3	.759	.74	79.5	78.7	„	0.1		+	6		2.11
6 „	.862	.041	78.0	75.0	3.0	73.8	.821	.87	78.2	78.7	NW b W	0.2		+	4		0.51
7 „	.885	.057	77.4	75.0	2.4	74.0	.828	.90	78.0	78.6	NW b N	0.1		+	2		1.10
8 „	.894	.025	77.2	76.0	1.2	75.5	.869	.95	78.0	78.5	„	0.2		+	8	6	0.16
9 „	.902	.124	76.8	73.5	3.3	72.1	.778	.86	77.2	78.5	„	0.0		+	12	10	1.00
10 „	.905	.164	74.4	72.4	2.0	70.6	.741	.91	76.1	78.4	„	0.0		+	10	8	0.50
11 „	.891	.174	74.0	71.0	3.0	69.6	.717	.87	76.0	78.4	NNW	0.0		+	8		2.11
Nov. 16th-Midnight	.873	.149	76.6	72.0	4.6	69.9	.724	.80	77.6	79.4	N b E	0.0		+	10	8	1.10
1 a. m.	.846	.080	76.2	73.0	3.2	71.6	.766	.86	77.1	79.2	„	0.2		+	12	10	1.18
2 „	.840	.074	76.2	73.0	3.2	71.6	.766	.86	77.1	79.2	„	0.1		+	4		2.18
3 „	.837	.059	76.8	73.5	3.3	72.1	.778	.86	77.0	79.1	„	0.1		+	2		Above 10m.
4 „	.845	.088	77.0	73.0	4.0	71.2	.757	.83	77.0	79.0	„	0.1		+	1		Above 10m.
5 „	.861	.163	76.4	71.2	5.2	68.7	.698	.78	77.0	79.0	„	0.1		+	4		4.40
6 „	.885	.246	75.5	69.2	6.3	66.0	.639	.74	76.8	79.0	NE b N	0.1	None.	+	6		2.14
7 „	.905	.274	76.2	69.2	7.0	65.6	.631	.71	76.8	78.9	„	0.2		+	2		5.15
8 „	.929	.274	79.6	71.0	8.6	66.8	.655	.67	78.0	79.0	„	0.2					
9 „	.943	.208	82.4	74.0	8.4	70.3	.735	.68	80.0	79.1	„	0.1					
10 „	.935	.216	85.6	74.5	11.1	69.7	.719	.60	82.0	79.3	NE b E	0.1					
11 „	.920	.209	88.0	75.0	13.0	69.3	.711	.55	83.5	79.5	NE	0.3					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌐ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°5. 13th November was the 26th cloudless day.
0	G. L.	"	
0	G. L.	"	
0	G. L.	"	
0	G. L.	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G. L.	"	
0	G. L.	"	
0	G. L.	"	
0	G. L.	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°2. 14th November was the 18th day on which the sky remained almost cloudless.
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	G	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	B	A few ⌐ and mist along the E hor.	
0	B	" " "	
0	B	" " "	
0	B	" " "	
0	G	" " "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
0	G	" "	
0	G	" "	
2	B	⌐ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°2. Temperature of Evaporation and that of Calculated Dew-Point at 2 P.M. was greatest during the month.
2	G	" "	
2	G	⌐ scattered here and there.	
2	G	" "	
4	G	⌐ scattered about moving N.	
3	C	" "	
3	C	⌐ scattered about moving N; mist and fog in hor.	
3	C	⌐ scattered about hor.; mist and fog in hor.	
3	C	" " "	
2	B	" " "	
4	B	⌐ and ⌐ scattered about; mist in hor.	
3	B	" " " "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 16th-Noon.	29.883	29.116	90°0	77°0	13°0	71°6	0.767	.56	84°9	79°8	NEbE	0.2					
1 p. m.	.846	.071	90.8	77.4	13.4	72.0	.775	.55	85.0	79.9	NW.	0.3					
2 „	.826	28.908	88.3	80.2	8.1	77.3	.918	.71	85.0	80.1	„	0.4					
3 „	.814	.901	88.0	80.0	8.0	77.1	.913	.71	85.0	80.2	„	0.3					
4 „	.808	.893	87.8	80.0	7.8	77.2	.915	.72	84.7	80.4	NW b N	0.2		+	1		Above 10m.
5 „	.819	.905	84.1	79.0	5.1	77.1	.914	.80	83.0	80.5	NNW	0.3		+	2		4.10
6 „	.830	29.017	82.3	76.0	6.3	73.5	.813	.75	82.2	80.6	„	0.5	None.	+	8	6	1.5
7 „	.852	.036	82.0	76.0	6.0	73.6	.816	.77	82.0	80.7	„	0.4		+	20	20	0.57
8 „	.875	.079	81.3	75.3	6.0	72.8	.796	.76	81.6	80.8	„	0.3		+	20	20	0.32
9 „	.885	.111	80.6	74.5	6.1	71.9	.774	.76	80.9	80.6	N	0.1		+	10	8	0.35
10 „	.897	.138	80.2	74.0	6.2	71.3	.759	.75	80.8	80.6	NbE	0.1		+	14	12	0.44
11 „	.887	.133	79.0	73.5	5.5	71.1	.753	.78	80.2	80.6	„	0.0		+	6		1.20
Nov. 17th-Midnight	.880	.106	78.8	74.0	4.8	71.9	.774	.80	80.1	80.6	NbE	0.0		+	14	12	0.40
1 a. m.	.863	.089	78.8	74.0	4.8	71.9	.774	.80	80.0	80.4	„	0.0		+	10	10	1.11
2 „	.845	.011	78.2	75.4	2.8	74.3	.834	.88	79.3	80.4	„	0.0		+	4		2.24
3 „	.842	.008	77.6	75.2	2.4	74.3	.834	.90	78.8	80.4	„	0.2		+	2		Above 10m.
4 „	.849	28.982	77.4	76.0	1.4	75.5	.867	.94	78.2	80.4	NNE	0.3		+	1		Above 10m.
5 „	.862	29.068	77.0	74.0	3.0	72.8	.794	.87	78.0	80.3	„	0.0					
6 „	.882	.095	77.0	73.8	3.2	72.5	.787	.87	77.8	80.2	NE b N	0.2		+	2		4.5
7 „	.898	.112	77.7	74.0	3.7	72.4	.786	.85	78.3	80.1	NEbE	0.2		+	8	6	3.2
8 „	.920	.148	79.0	74.0	5.0	71.8	.772	.80	79.0	80.1	„	0.2		+	4		2.7
9 „	.938	.150	81.0	75.0	6.0	72.5	.788	.76	80.0	80.0	„	0.4					
10 „	.934	.180	84.1	75.0	9.1	71.1	.754	.66	81.8	80.2	„	0.1					
11 „	.914	.178	86.5	75.2	11.3	70.4	.736	.60	83.0	80.5	„	0.1	None.				
Noon.	.893	.139	87.6	76.0	11.6	71.1	.754	.60	84.0	80.8	„	0.2					
1 p. m.	.863	.113	88.0	76.0	12.0	71.0	.750	.58	84.2	80.9	NW b W	0.2					
2 „	.845	.062	87.8	76.8	10.0	72.3	.783	.61	84.0	81.0	„	0.4					
3 „	.838	28.989	86.2	78.0	8.2	74.8	.849	.70	83.9	81.0	NW	0.3					
4 „	.838	.976	85.0	78.0	7.0	75.3	.862	.74	83.0	81.0	„	0.2					
5 „	.852	29.010	83.2	77.0	6.2	74.6	.842	.76	82.4	81.1	NW b N	0.1					
6 „	.870	.012	81.7	77.0	4.7	75.1	.858	.81	82.0	81.2	„	0.3		+	6		1.2
7 „	.882	.055	81.0	76.0	5.0	74.0	.827	.80	81.5	81.3	„	0.4		+	8		1.28
8 „	.899	.067	80.5	76.0	4.4	74.2	.832	.82	81.0	81.3	„	0.4		+	4		2.10
9 „	.915	.110	80.2	75.2	5.0	73.2	.805	.80	80.8	81.1	N b W	0.3		+	2		3.15
10 „	.921	.151	79.2	74.0	5.2	71.8	.770	.79	80.1	81.1	„	0.1		+	6		1.20
11 „	.912	.175	78.8	73.0	5.8	70.4	.737	.77	80.0	81.1	„	0.0		+	8		0.50
Nov. 18th-Midnight	.893	.156	78.8	73.0	5.8	70.4	.737	.77	80.0	81.0	N b W	0.2		+	6		1.00
1 a. m.	.880	.042	77.2	75.2	2.0	74.4	.838	.91	79.6	81.0	„	0.1		+	4		1.10
2 „	.868	.030	77.2	75.2	2.0	74.4	.838	.91	79.5	80.9	„	0.0		+	6		0.19
3 „	.863	.031	77.0	75.0	2.0	74.2	.832	.91	78.3	80.8	„	0.1		+	2		1.50
4 „	.863	.032	76.8	75.2	1.6	74.1	.831	.93	77.9	80.8	„	0.1		+	4		1.26
5 „	.884	.053	76.8	75.2	1.6	74.1	.831	.93	77.9	80.8	NbE	0.1		+	4		Above 10m.
6 „	.898	.079	76.5	74.5	2.0	73.7	.819	.91	77.9	80.7	NNE	0.1					
7 „	.920	.126	77.0	74.0	3.0	72.8	.794	.87	77.7	80.5	„	0.1		+	20	16	0.55
8 „	.949	.145	79.5	75.0	4.5	73.1	.804	.82	79.0	80.4	„	0.1		+	8		1.10
9 „	.964	.133	80.6	76.0	4.6	74.1	.831	.82	80.0	80.5	NE bN	0.1		+	2		3.50
10 „	.970	.196	83.3	75.3	8.0	71.9	.774	.70	81.0	80.5	„	0.2					
11 „	.953	.261	86.3	74.0	12.3	68.5	.692	.57	82.6	80.8	„	0.1					
Noon.	.916	.194	88.8	75.5	13.3	69.8	.722	.55	84.0	81.0	„	0.1	None.				
1 p. m.	.885	.171	90.2	75.7	14.5	69.4	.714	.52	84.8	81.1	NW b W	0.2					
2 „	.870	.142	91.4	76.4	15.0	70.0	.728	.51	85.0	81.3	„	0.2					
3 „	.852	.124	90.0	76.0	14.0	70.0	.728	.53	85.0	81.5	„	0.1					
4 „	.853	.065	88.5	77.1	11.4	72.5	.788	.61	84.5	81.6	„	0.1					
5 „	.877	.055	85.0	77.0	8.0	73.8	.822	.70	83.7	81.6	NW	0.3		+	4		1.11
6 „	.886	.042	83.0	77.0	6.0	74.6	.844	.77	83.0	81.7	NW b N	0.3		+	8		1.33
7 „	.906	.090	82.0	76.0	6.0	73.6	.816	.77	82.0	81.8	„	0.5		+	10		0.57
8 „	.925	.141	81.4	75.0	6.4	72.3	.784	.75	81.7	81.8	N b W	0.2		+	4		2.10
9 „	.940	.168	80.8	74.5	6.3	71.8	.772	.75	81.2	81.7	„	0.1		+	6		1.35
10 „	.940	.212	79.6	73.0	6.6	70.0	.728	.74	81.0	81.6	„	0.1		+	8		1.10
11 „	.918	.155	79.8	74.0	5.8	71.5	.763	.77	80.8	81.5	„	0.1		+	2		3.00

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ⌐ cirri; ⌐ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ⌒ nimbi.	
3	B	⌐ and ⌐ scattered about hor.	
4	G	⌐ and ⌐ scattered about.	
5	G	" "	
5	G	" "	
5	G	" "	
4	C	" "	
3	C	" "	
3	C	" "	
3	C	" "	
3	B	⌐ scattered about hor.	
4	B	⌐ scattered about moving WNW.	
4	B		
4	B	⌐ scattered about moving WNW.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°1.
6	G	⌐ and ⌐ scattered about, the former moving NW.	
5	G	⌐ scattered about moving NW; dew falling.	
4	G	" " "	
4	G	" " "	
3	C	⌐ and ⌐ scattered about, the former moving NW.	
5	C	Clouded as before; mist and fog in hor.	
6	C	⌐ and ⌐ scattered about, the former moving WNW; mist and fog in hor.	
8	C	Overcast with ⌐ and ⌐ both moving WNW; mist and fog in hor.	
6	B	⌐ around hor., and ⌐ scattered about.	
7	B	" " "	
7	B	" " "	
7	B	" " "	
7	G	⌐ around hor.; ⌐ scattered about moving NNE.	
8	G	⌐ around hor; ⌐ scattered about moving NE.	
8	G	" " "	
7	G	⌐ around hor.; ⌐ scattered about moving NNE.	
8	C	" " "	
7	C	⌐ and ⌐ scattered about, the former moving NE.	
7	C	" " "	
7	C	" " "	
4	B	⌐ scattered about hor.; a few ⌐ above W hor.	
3	B	⌐ scattered about hor.	
3	B	" "	
4	B	⌐ scattered about moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 82°6 and 83°2.
4	G	" " "	
5	G	" " "	
4	G	Clouded as before; dew falling.	
4	G	" " "	
3	C	" " "	
5	C	⌐ and ⌐ scattered about; mist and fog in hor.	
7	C	Densely clouded with ⌐ moving NE; ⌐ around hor.; mist and fog in hor.	
7	C	" " " " "	
7	B	⌐ around hor.; ⌐ scattered about moving NNE; mist along the W hor.	
7	B	" " " " "	
7	B	" " " " "	
7	B	⌐ around hor.; ⌐ scattered about moving NNE.	
7	G	" " "	
7	G	" " "	
7	G	" " "	
6	G	⌐ around hor.; ⌐ scattered about moving NE.	
7	C	⌐ and ⌐ scattered about, the latter moving NE.	
6	C	Clouded as before.	
6	C	" "	
6	C	" "	
5	B	⌐ and ⌐ scattered about, the former moving N.	
6	B	" " "	
7	B	" " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 19th-Midnight	29.900	29.093	79°3	75°0	4°3	73°2	0.807	0.82	80°2	81°5	N b E	0.0					
1 a. m.	.877	.067	79.0	75.0	4.0	73.3	.810	.84	80.0	81.5	„	0.0					
2 „	.870	.047	77.8	75.0	2.8	73.8	.823	.88	79.2	81.4	„	0.1		+	2		2.29
3 „	.867	.002	76.8	75.8	1.0	75.4	.865	.96	78.4	81.3	„	0.0		+	1		Above 10m.
4 „	.870	.016	76.4	75.4	1.0	75.0	.854	.96	78.0	81.2	„	0.0		+	1		Above 10m.
5 „	.896	.057	76.4	75.0	1.4	74.4	.839	.94	78.0	81.2	„	0.1					
6 „	.920	.112	76.4	74.2	2.2	73.3	.808	.91	77.6	81.1	NNE	0.1					
7 „	.948	.171	77.2	73.6	3.6	72.0	.777	.85	77.4	81.0	NE b N	0.6		+	4		1.20
8 „	.970	.177	80.5	75.0	5.5	72.7	.793	.78	79.2	81.0	E b S	0.5		+	4		1.40
9 „	.991	.181	82.5	76.0	6.5	73.3	.810	.75	80.6	81.0	„	0.6	None.			None.	
10 „	.986	.236	83.8	74.8	9.0	71.0	.750	.67	81.7	81.1	„	0.3					
11 „	.965	.233	86.1	75.0	11.1	70.2	.732	.60	83.0	81.2	„	0.1					
Noon.	.929	.300	88.5	73.0	15.5	65.5	.629	.49	84.0	81.4	„	0.1					
1 p. m.	.895	.248	90.4	74.0	16.4	66.4	.647	.47	85.0	81.5	N b W	0.2					
2 „	.881	.236	92.6	74.6	18.0	66.3	.645	.44	85.4	81.6	W b S	0.4					
3 „	.869	.191	91.0	75.0	16.0	67.8	.678	.48	85.0	81.8	W b N	0.2					
4 „	.868	.105	89.6	76.8	12.8	71.5	.763	.57	84.9	81.9	W	0.1					
5 „	.883	.076	84.6	76.5	8.1	73.2	.807	.70	84.0	82.0	NW b W	0.2		+	8		0.59
6 „	.898	.073	82.6	76.4	6.2	73.9	.825	.76	83.0	82.1	NW	0.6		+	6		2.6
7 „	.922	.091	82.0	76.4	5.6	74.1	.831	.78	82.2	82.2	NNW	0.4		+	6		2.50
8 „	.941	.149	81.4	75.2	6.2	72.7	.792	.76	81.6	82.2	N b W	0.1		+	18		0.29
9 „	.952	.210	80.0	73.5	6.5	70.6	.742	.74	81.0	82.1	N	0.1		+	12		0.56
10 „	.951	.190	80.0	74.0	6.0	71.4	.761	.76	80.6	82.0	NE b E	0.3		+	10		1.00
11 „	.936	.274	79.0	71.0	8.0	67.1	.662	.68	80.0	82.0	„	0.2		+	2		Above 10m.
Nov. 20th-Midnight	.915	.215	78.8	72.0	6.8	68.8	.700	.73	80.0	81.8	NE b E	0.0					
1 a. m.	.891	.063	78.4	75.3	3.1	74.0	.828	.87	79.5	81.7	„	0.2		+	2		3.27
2 „	.887	.066	78.0	75.0	3.0	73.8	.821	.87	79.0	81.5	„	0.1		+	1		Above 10m.
3 „	.880	.046	77.2	75.1	2.1	74.3	.834	.91	78.5	81.3	„	0.2					
4 „	.887	.093	77.0	74.0	3.0	72.8	.794	.87	78.1	81.2	„	0.0					
5 „	.899	.105	77.0	74.0	3.0	72.8	.794	.87	78.0	81.2	„	0.2					
6 „	.919	.211	76.5	71.5	5.0	69.2	.708	.79	77.5	81.2	„	0.1		+	4		1.48
7 „	.940	.220	77.0	72.0	5.0	69.7	.720	.79	77.5	81.1	„	0.1					
8 „	.958	.225	79.2	73.0	6.2	70.2	.733	.75	78.6	81.0	„	0.2					
9 „	.983	.214	80.3	74.3	6.0	71.7	.769	.76	79.5	81.0	„	0.5					
10 „	.980	.296	83.5	73.0	10.5	68.1	.684	.62	81.0	81.1	„	0.2					
11 „	.957	.362	86.7	71.5	15.2	63.9	.595	.48	82.5	81.2	„	0.1	None.			None.	
Noon.	.926	.264	89.0	74.0	15.0	67.1	.662	.50	84.0	81.4	„	0.1					
1 p. m.	.890	.232	90.0	74.2	15.8	66.9	.658	.48	84.6	81.5	„	0.2					
2 „	.865	.225	91.0	74.0	17.0	66.1	.640	.45	85.0	81.5	N b W	0.2					
3 „	.846	.195	91.4	74.4	17.0	66.6	.651	.45	85.0	81.6	W	0.3					
4 „	.845	.132	89.6	75.5	14.1	69.4	.713	.53	84.8	81.8	W b N	0.2					
5 „	.866	.109	85.6	75.5	10.1	71.2	.757	.64	84.5	81.9	WNW	0.2					
6 „	.874	.108	83.4	75.1	8.3	71.6	.766	.69	83.0	82.0	NW b W	0.4		+	2		2.10
7 „	.897	.121	82.1	75.0	7.1	72.0	.776	.73	82.0	82.1	„	0.3		+	2		Above 10m.
8 „	.920	.170	81.0	74.0	7.0	71.0	.750	.73	81.5	82.0	NNW	0.6					
9 „	.932	.160	80.8	74.5	6.3	71.8	.772	.75	81.3	82.0	„	0.5					
10 „	.935	.196	80.3	73.5	6.8	70.5	.739	.73	80.9	82.0	NW b N	0.2					
11 „	.918	.216	78.6	72.0	6.6	68.9	.702	.74	80.0	82.0	NNW	0.2					
Nov. 21st-Midnight	.908	.231	77.6	71.0	6.6	67.8	.677	.73	79.3	81.9	NNW	0.2		+	4		2.10
1 a. m.	.883	.106	77.2	73.6	3.6	72.0	.777	.85	79.0	81.5	N	0.1		+	6		2.29
2 „	.876	.119	77.0	73.0	4.0	71.2	.757	.83	78.4	81.4	NNE	0.3		+	4		2.58
3 „	.869	.091	76.8	73.5	3.3	72.1	.778	.86	78.0	81.3	NE b E	0.2		+	2		Above 10m.
4 „	.879	.101	76.4	73.4	3.0	72.1	.778	.87	77.6	81.3	ENE	0.3		+	1		Above 10m.
5 „	.883	.108	76.0	73.2	2.8	72.0	.775	.88	77.4	81.3	„	0.2	None.			None.	
6 „	.908	.177	76.0	72.0	4.0	70.2	.731	.83	77.0	81.2	„	0.2					
7 „	.938	.183	77.2	73.0	4.2	71.2	.755	.82	78.0	81.1	„	0.3					
8 „	.960	.253	78.2	72.0	6.2	69.1	.707	.75	78.5	81.0	NE b E	0.6					
9 „	.993	.273	80.4	73.0	7.4	69.7	.720	.71	79.5	81.0	ENE	0.2					
10 „	.985	.320	82.0	72.0	10.0	67.2	.665	.62	80.3	81.1	„	0.1					
11 „	.967	.327	84.3	72.0	12.3	66.1	.640	.56	81.5	81.1	„	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩≀ cumulo-strati; and ≀≀ nimbi.	
6	B	≀≀ around hor.; ≀ scattered throughout.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°5. Temperature of External and Free Air at 2 P.M. was 92·6 greatest in the month.
6	G	" " "	
5	G	≀≀ around hor.; ≀ scattered about; dew falling.	
3	G	≀ scattered about hor.; dew falling.	
3	G	" " "	
6	C	≀≀ around hor.; ≀ scattered about; dew falling.	
8	C	≀≀ and ≀ scattered about, both moving N; mist and fog in hor.	
8	C	Clouded as before.	
8	C	" "	
5	B	≀≀ scattered about moving N; mist in W hor.	
5	B	≀≀ and ≀ scattered about, the former moving N.	
4	B	" " "	
3	B	≀≀ and ≀ scattered about hor.	
6	G	≀ around hor. and ≀≀ scattered about.	
6	G	" " "	
5	G	≀≀ and ≀ scattered about.	
5	G	" "	
4	C	" "	
4	C	≀≀ and ≀ scattered about, the former moving NE.	
7	C	≀≀ and ≀ scattered throughout; a lunar-halo.	
8	C	≀≀ and ≀ scattered about, the former moving NE.	
8	B	Overcast with ≀; a lunar-halo.	
6	B	≀ scattered about moving N.	
7	B	≀≀ and ≀ scattered about, the latter moving N.	
8	B	Overcast with ≀ moving N; a few ≀≀ spread here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°5.
8	G	≀≀ and ≀ scattered about, the latter moving N.	
6	G	≀ scattered about moving N.	
6	G	" "	
8	G	" "	
7	C	" "	
7	C	≀ scattered about; mist and fog in hor.	
7	C	≀ and ≀≀ scattered about; mist and fog in hor.	
5	C	≀ and ≀≀ scattered about, the former moving N; mist and fog in hor.	
7	B	≀ and ≀≀ scattered about, the latter moving N.	
6	B	" " " "	
4	B	≀≀ around hor.; ≀ scattered about.	
3	B	≀≀ and ≀ scattered about hor.	
4	G	≀≀ around hor.; ≀ scattered about.	
4	G	" " "	
4	G	Clouded as before; mist along the E hor.	
4	G	" " "	
5	C	≀≀ around hor.; ≀ scattered about moving NE; mist along the E hor.	
4	C	" " " " "	
3	C	≀≀ in N and NE hor.; ≀ scattered about hor.	
3	C	" " " "	
1	B	≀ scattered around hor.	
4	B	≀ scattered about moving N.	
3	B	" " "	
2	B	≀ scattered about moving N.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°5.
3	C	" "	
3	G	≀ scattered about hor.	
3	G	" "	
3	G	" "	
3	C	" "	
2	C	≀ scattered about hor.; mist and fog in hor.	
2	C	" " "	
2	C	" " "	
2	B	≀ and ≀≀ scattered about hor.; mist along the W hor.	
1	B	≀ and ≀≀ scattered here and there; mist in W hor.	
0	B	" " " "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volta 1.	Readings of Straw of Volta 2.	Interval of Time in which the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 21st-Noon.	29.927	29.241	88°5	74°5	14°0	68°2	0.686	0.53	83°0	81°2	ENE	0.1					
1 p. m.	.892	.226	90.4	74.5	15.9	67.3	.666	.48	83.8	81.4	NW b W	0.2		+	4		1.11
2 „	.865	.163	90.6	75.5	15.1	68.9	.702	.51	84.0	81.4	„	0.1		+	6		1.21
3 „	.851	.101	88.0	76.0	12.0	71.0	.750	.58	84.0	81.6	„	0.3		+	1		Above 10m.
4 „	.850	.087	86.8	76.0	10.8	71.5	.763	.62	83.2	81.8	„	0.4					
5 „	.875	.125	83.4	74.7	8.7	71.0	.750	.67	83.2	81.8	NW b N	0.4					
6 „	.886	.109	82.0	75.0	7.0	72.0	.777	.73	82.0	81.9	NNW	0.2	None.			None.	
7 „	.908	.206	80.3	72.5	7.8	68.9	.702	.69	81.0	82.0	„	0.4					
8 „	.930	.243	80.0	72.0	8.0	68.2	.687	.69	80.6	82.0	„	0.3					
9 „	.944	.244	79.8	72.3	7.5	68.8	.700	.70	80.5	82.0	„	0.1					
10 „	.939	.284	78.0	70.5	7.5	66.8	.655	.70	79.7	81.8	N	0.1					
11 „	.927	.267	77.6	70.5	7.1	67.0	.660	.71	79.2	81.7	„	0.1					
Nov. 23rd-Midnight	.949	.277	75.6	70.2	5.4	67.6	.672	.77	77.5	81.0	N b W	0.0					
1 a. m.	.938	.224	75.3	71.3	4.0	69.4	.714	.83	76.4	80.9	„	0.0					
2 „	.926	.212	75.3	71.3	4.0	69.4	.714	.83	76.3	80.8	NNE	0.1					
3 „	.921	.215	75.0	71.0	4.0	69.1	.706	.83	76.0	80.7	NE	0.3					
4 „	.914	.257	74.8	69.5	5.3	66.9	.657	.77	75.9	80.7	„	0.5					
5 „	.936	.313	74.5	68.4	6.1	65.3	.623	.74	75.9	80.6	E	0.4					
6 „	.959	.294	74.9	68.8	6.1	67.2	.665	.78	75.9	80.5	„	0.2					
7 „	.986	.305	75.7	70.5	5.2	68.0	.681	.78	76.0	80.3	„	0.2					
8 „	.997	.313	77.0	71.0	6.0	68.1	.684	.75	77.2	80.1	„	0.4					
9 „	30.021	.325	79.8	72.2	7.6	68.6	.696	.70	78.6	80.1	„	0.5					
10 „	.015	.370	82.2	71.5	10.7	66.3	.645	.60	79.8	80.1	„	0.2					
11 „	29.992	.368	84.0	71.5	12.5	65.3	.624	.55	81.0	80.3	„	0.1					
Noon.	.971	.320	86.5	73.0	13.5	66.6	.651	.53	82.0	80.5	„	0.1	None.			None.	
1 p. m.	.937	.235	86.8	74.4	12.4	68.9	.702	.57	82.2	80.6	NW	0.2		+	2		1.50
2 „	.921	.235	86.8	74.0	12.8	68.2	.686	.56	82.4	80.7	„	0.1		+	1		Above 10m.
3 „	.912	.198	86.0	74.5	11.5	69.4	.714	.59	82.4	80.8	NW b N	0.3					
4 „	.918	.212	85.0	74.0	11.0	69.1	.706	.60	82.0	80.9	„	0.4		+	1		Above 10m.
5 „	.923	.208	81.2	73.1	8.1	69.5	.715	.69	81.0	81.0	NNW	0.5		+	2		3.30
6 „	.931	.239	79.5	72.0	7.5	68.5	.692	.70	80.3	81.1	„	0.4		+	2		3.24
7 „	.952	.268	79.0	71.6	7.4	68.1	.684	.71	80.0	81.1	„	0.5		+	2		
8 „	.964	.266	79.0	72.0	7.0	68.8	.698	.72	79.4	81.1	N b W	0.2		+	4		
9 „	.977	.263	77.5	72.0	5.5	69.4	.714	.77	79.0	81.0	„	0.0		+	14		
10 „	.974	.314	76.0	70.0	6.0	67.0	.660	.75	78.0	80.8	N	0.0		+	4		
11 „	.962	.290	76.5	70.5	6.0	67.6	.672	.75	78.0	80.7	NE b E	0.2		+	8		
Nov. 24th-Midnight	.949	.254	76.0	71.0	5.0	68.6	.695	.79	77.7	80.6	E b N	0.3		+	8		1.20
1 a. m	.931	.182	76.0	72.5	3.5	70.9	.749	.85	77.5	80.5	„	0.4		+	12		1.10
2 „	.920	.163	74.9	72.4	2.5	71.2	.757	.89	76.7	80.4	E	0.3		+	8		2.8
3 „	.914	.168	74.6	72.0	2.6	70.8	.746	.89	76.4	80.3	E b S	0.4		+	6		2.27
4 „	.912	.195	74.0	71.0	3.0	69.6	.717	.87	76.0	80.2	„	0.2		+	6		2.16
5 „	.936	.310	73.0	68.0	5.0	65.4	.626	.78	75.6	80.1	„	0.1		+	16		1.5
6 „	.957	.331	71.5	67.5	4.0	65.4	.626	.82	75.1	80.1	NNE	0.1		+	10		1.11
7 „	.984	.326	73.4	69.1	4.3	66.9	.658	.81	75.4	80.0	„	0.0		+	Out of Sc.	24	1.2
8 „	30.002	.253	77.1	72.8	4.3	70.9	.749	.82	77.0	80.0	NE b N	0.1		+	10		1.10
9 „	.023	.353	78.3	71.0	7.3	67.5	.670	.71	77.8	79.9	ENE	0.4					
10 „	.017	.358	79.3	71.0	8.3	67.0	.659	.67	78.5	80.0	E b N	0.3					
11 „	29.995	.322	81.3	72.0	9.3	67.6	.673	.64	79.2	80.0	„	0.1	None.				
Noon.	.969	.334	83.0	71.5	11.5	65.8	.635	.58	80.0	80.2	N b E	0.2		+	1		Above 10m.
1 p. m.	.932	.291	84.2	72.0	12.2	66.1	.641	.56	81.0	80.2	NW b N	0.3		+	4		2.16
2 „	.911	.258	84.4	72.4	12.0	66.7	.653	.57	81.1	80.3	„	0.6		+	2		3.29
3 „	.909	.262	83.6	72.0	11.6	66.4	.647	.58	81.0	80.5	NNW	0.8		+	1		Above 10m.
4 „	.906	.289	83.0	71.0	12.0	65.0	.617	.56	80.9	80.5	„	1.0			2		1.20
5 „	.918	.345	79.6	68.6	11.0	62.7	.573	.58	80.5	80.6	„	1.0			4		1.19
6 „	.940	.354	78.4	68.6	9.8	63.4	.586	.62	79.7	80.6	„	0.8			2		1.31
7 „	.956	.358	78.0	68.8	9.2	64.0	.598	.64	78.8	80.5	N b W	0.6			2		1.37
8 „	.967	.435	76.5	66.3	10.2	60.5	.532	.60	78.0	80.3	N	0.4			2		1.45
9 „	.982	.528	74.3	63.0	11.3	55.7	.454	.54	76.6	80.1	N b E	0.2			10		0.45
10 „	.988	.452	75.3	66.0	9.3	60.7	.536	.62	76.6	80.1	NNE	0.1			4		1.40
11 „	.978	.442	75.3	66.0	9.3	60.7	.536	.62	76.6	80.1	NE b N	0.0			1		Above 10m.

Amount of Clouds 0—6.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ∪≀ cirro-strati; ∩∪≀ cumulo-strati; and ∨∪≀ nimbi.	Remarks.
0	B	A few ≀ above NW hor.	
0	G	" "	
0	G	A few ≀ in hor.; haze along the E hor.	
1	G	≀ and haze along the E hor.	
1	G	" " "	
1	C	" " "	
1	C	" " "	
0	C	A few ≀ along the E hor.	
3	C	≀ scattered about hor.	
4	C	≀ scattered about moving NE.	
4	C	" "	
6	C	" "	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°4.
0	G	"	
0	G	Cloudless and dew falling.	
0	G	Cloudless.	23rd November was the 53rd day on which wind blew abnormally.
0	G	"	
0	C	"	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	G	"	
0	G	A few ≀ along the W hor.; mist along the E hor.	
0	C	" "	
0	C	≀ scattered above SW, W and NW hor.	
0	C	" " "	
0	C	" " "	
0	B	A few ≀ above NW hor.	
0	B	Cloudless except in hor.	
0	B	" "	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°4 and 83°5.
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	G	A few ≀ in NW and W hor.; dew falling.	24th November was the 19th day on which the sky remained almost cloudless.
0	C	" " "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	Cloudless.	
0	G	Mist in hor.	
0	G	"	
0	G	"	
0	G	"	
0	C	"	
0	C	"	
0	C	Cloudless.	
0	C	"	
0	B	"	
0	B	"	
0	B	"	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volts 1.	Electrical Instruments. Readings of Straws of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Nov. 25th-Midnight	29.964	29.446	74°0	65°0	9°0	59°7	0.518	0.63	76°0	80°0	N b E	0.1		+	1		Above 10m.
1 a. m.	.947	.410	75.2	66.0	9.2	60.8	.537	.62	76.0	79.8	E b N	0.2		+	4		2·6
2 „	.936	.393	74.6	66.0	8.6	61.1	.543	.65	75.8	79.7	„	0.2		+	10		1.10
3 „	.923	.405	72.6	64.5	8.1	59.7	.518	.66	74.3	79.6	NNE	0.4		+	2		Above 10m.
4 „	.924	.404	71.0	64.0	7.0	59.8	.520	.69	73.5	79.5	N b E	0.3		+	1		Above 10m.
5 „	.933	.541	69.2	59.0	10.2	51.4	.392	.55	73.0	79.4	„	0.1		+	4		5.45
6 „	.947	.579	68.1	57.7	10.4	49.6	.368	.54	72.0	79.2	„	0.1		+	2		Above 10m.
7 „	.968	.600	68.1	57.7	10.4	49.6	.368	.54	71.5	78.9	„	0.1					
8 „	.994	.646	71.4	58.3	13.1	47.9	.348	.46	72.0	78.7	NNE	0.1					
9 „	30.008	.642	74.7	60.2	14.5	49.4	.366	.43	74.0	78.6	„	0.2					
10 „	.001	.586	77.9	63.0	14.9	53.1	.415	.44	75.3	78.6	„	0.3	None.			None.	
11 „	29.977	.549	80.7	64.5	16.2	54.0	.428	.42	77.0	78.6	N b E	0.1					
Noon.	.942	.463	83.3	67·0	16.3	57.3	.479	.43	78.8	78.8	N b W	0·4					
1 p. m.	.898	.361	84.0	69.0	15.0	60.8	.537	.47	79.6	78.9	NW	0.7		+	3		1.00
2 „	.883	.321	84.8	70.0	14.8	62.1	.562	.48	79.8	79.0	NW b N	0.8		+	3		2.3
3 „	.879	.271	83.8	71.0	12.8	64.5	.608	.54	79.8	79.0	„	0.7		+	4		1.29
4 „	.887	.298	82.4	70·0	12.4	63.5	.589	.54	79.0	79.1	„	1.0		+	2		2.26
5 „	.900	.273	79.0	70.0	9.0	65.4	.627	.65	78.7	79.2	„	1.0		+	2		3.40
6 „	.921	.400	77.2	66.2	11.0	59.9	.521	.57	78.0	79.2	NNW	1.5		+	2		2.12
7 „	.941	.420	76.6	66.0	10.6	59.9	.521	.58	77.2	79.3	„	0.9		+	3		3.15
8 „	.957	.492	76.0	64.0	12.0	56.5	.465	.53	76.8	79.3	„	0·9		+	3		3.10
9 „	.981	.478	75.4	65.0	10.4	58.8	.503	.58	76.4	79.2	„	0.6		+	4		1.15
10 „	.975	.488	74.0	64.0	10.0	57.8	.487	.59	75.8	79.1	N b W	0.5		+	1		Above 10m.
11 „	.965	.492	72.5	63.0	9.5	57.0	.473	.60	75.0	79.0	„	0.3		+	2		Above 10m.
Nov. 26th-Midnight	.949	.525	71.5	61.0	10.5	53.7	.424	.56	74.0	78.9	N b W	0·2		+	2		Above 10m.
1 a. m.	.932	.482	70.8	61.6	9.2	55.5	.450	.61	73.0	78.8	„	0.0		+	6		1.17
2 „	.907	.442	70.5	62.0	8.5	56.5	.465	.63	72.7	78.6	„	0.4		+	4		2.38
3 „	.900	.418	69.0	62.0	7·0	57.5	.482	.69	72.2	78.5	„	0.2		+	2		3.26
4 „	.901	.434	68.2	61.2	7.0	56.7	.467	.68	71.4	78.3	„	0.1		+	2		3.11
5 „	.911	.572	66.5	56.0	10.5	47.2	.339	.53	70.6	78.1	N	0.1		+			
6 „	.933	.517	67.0	59.0	8.0	53.2	.416	.63	70.2	77.9	„	0.1		+	10		1.50
7 „	.951	.597	67.6	57.0	10.6	48.4	.354	.53	70.4	77.7	N b E	0.1		+	4		3.5
8 „	.969	.590	73.0	60.0	13.0	50.4	.379	.47	72.0	77.7	„	0.1		+	3		1.10
9 „	.983	.546	75·8	63.0	12.8	54.7	.437	.50	74.0	77.6	NE	0.2		+	1		Above 10m.
10 „	.975	.497	77.6	65.0	12.6	57.3	.478	.52	75.1	77.6	„	0.4	None.				
11 „	.960	.455	79.2	66.4	12.8	58.9	.505	.52	76.2	77.6	N	0.3		+	4		3.20
Noon.	.933	.430	81.2	67.0	14.2	58.8	.503	.48	77.5	77.8	NW	0.3					
1 p. m.	.894	.358	82.4	68.4	14.0	60.7	.536	.49	78.0	77.9	NW b W	0.4		+	4		2.16
2 „	.873	.324	83.0	69.0	14.0	61.4	.549	.50	78·3	78.0	NW	0.5		+	5		1.32
3 „	.868	.260	83.8	71.0	12.8	64.5	.608	.54	78.8	78.2	NW b W	0.4		+	2		3.16
4 „	.869	.215	83.0	72.0	11.0	66.7	.654	.59	78.0	78.4	„	0.3		+	1		Above 10m.
5 „	.882	.186	79·2	72.0	7.2	68.6	.696	.71	77.7	78.5	NW	0.3		+	2		3.5
6 „	.889	.205	77.0	71·0	6.0	68.1	.684	.75	77.5	78.6		0.3		+	8		2.15
7 „	.903	.210	76.2	71.0	5.2	68.5	.693	.78	77.3	78.7	NW b N	0.2		+	10	10	0·31
8 „	.916	.247	75.5	70.1	5.4	67.4	.669	.77	77.0	78.8	„	0.1		+	14	12	1.10
9 „	.927	.308	74.2	68.2	6.0	65.1	.619	.74	76.3	78.8	„	0.3		+	4		1.50
10 „	.923	.304	74.2	68.2	6.0	65.1	.619	.74	76.3	78.7	„	0.2		+	4		1.30
11 „	.906	.297	74.5	68.0	6.5	64.6	.609	.73	76.2	78.6	„	0.3		+	6		0.52
Nov. 27th-Midnight	.894	.360	72.5	65.0	7.5	60.6	.534	.68	75.0	78.5	NNW	0.1		+	4		1.15
1 a. m.	.867	.325	71.8	65.0	6.8	61.0	.542	.71	74·1	78.5	„	0.2		+	10	8	0.47
2 „	.861	.310	71.0	65.0	6.0	61.5	.551	.73	73.0	78.4	„	0.1		+	6		1.25
3 „	.852	.286	70.2	65.2	5.0	62.3	.566	.77	72.7	78.2	„	0.1		+	4		2.9
4 „	.856	.292	69.8	65.0	4.8	62.2	.564	.78	72.6	78·0	„	0.1		+	2		3.11
5 „	.862	.375	68.5	62.0	6.5	57.8	.487	.71	72.0	78.0	„	0.1	None.	+	3		1.17
6 „	.881	.358	68 0	63.0	5.0	60.0	.523	.77	71.8	77.8	„	0.1		+	14	12	0.40
7 „	.909	.347	70 0	65.0	5·0	62·1	.562	.77	72.0	77.6	„	0.1		+	14	12	0.42
8 „	.939	.357	74.0	67.0	7.0	63.2	.582	.70	73.4	77.6	NNE	0.2		+	4		1.31
9 „	.961	.337	76 2	69.0	7.2	65.3	.624	.70	75.0	77.6	NE b N	0.4		+	4		1.25
10 „	.947	.409	78·0	67.0	11.0	60.8	.538	.57	76.0	77.6	NE b E	0.3		+	2		Above 10m.
11 „	.935	.399	79.7	67.5	12.2	60.7	.536	.54	77 4	77.8	„	0.2		+	1		Above 10m.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°2 and 83°4.
0	G	,,	
0	G	,,	
0	G	,,	
0	G	,,	25th November was the 27th cloudless day.
0	C	,,	
0	C	Mist around hor.	
0	C	,, ,,	
0	C	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	,, ,,	
0	B	Cloudless.	
0	N	Mist along the E hor.	
0	G	,, ,,	
0	G	,, ,,	
0	G	,, ,,	
0	C	,, ,,	
0	C	Cloudless.	
0	C	,,	
0	C	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 83°0 and 83°4. Temperatures of Free Air, Evaporation and calculated Dew-point at 5 A.M. were respectively 66°5, 56°0 and 47°2 lowest in the month.
0	G	,,	
0	G	,,	
0	G	,,	
0	G	,,	
0	C	,,	
0	C	A few ≀ above SE hor.; mist in hor.	
0	C	,, ,,	
0	C	,, ,,	26th November was the 20th day on which the sky remained almost cloudless.
0	B	Mist in hor.	
0	B	,,	
0	B	,,	
0	B	,,	
0	G	,,	
0	G	Mist along E hor.	
0	G	,, ,,	
0	G	,, ,,	
0	C	,, ,,	
0	C	,, ,,	
0	C	Cloudless.	
0	C	,,	
0	B	,,	
0	B	,,	
0	B	,,	
0	B	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°5 and 83°3.
0	G	,,	
0	G	,,	
0	G	Cloudless and dew falling.	
0	G	,, ,,	
0	C	,, ,,	
0	C	A few ≀ and mist around hor.	
0	C	,, ,,	
0	C	,, ,,	
0	B	Mist in hor.	
0	B	,,	
0	B	,,	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 Inch in the Ground.	Ground Thermometers. Thermometer 6 Inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Nov. 27th-Noon.	29.904	29.351	82°6	69°0	13°6	61°6	0.553	0.51	78°6	78°0	NE b E	0.1		+	4		2.40
1 p. m.	.870	.288	83.0	70.0	13.0	63.2	.582	.53	79.5	78.1	NW	0.2		+	6		1.38
2 „	.853	.211	85.4	72.4	13.0	66.2	.642	.54	80.0	78.3	WNW	0.2		+	12		
3 „	.848	.184	83.8	72.5	11.3	67.2	.664	.59	80.0	78.4	NW b W	0.2		+	18	14	1.6
4 „	.852	.179	82.4	72.3	10.1	67.6	.673	.62	79.8	78.5	„	0.3		+	6		2.36
5 „	.868	.207	79.1	71.0	8.1	67.1	.661	.68	79.0	78.7	NW	0.4	None.	+	6		3.10
6 „	.881	.212	77.4	70.7	6.7	67.4	.669	.73	78.0	78.9	„	0.4		+	4		2.16
7 „	.903	.217	76 8	71.0	5.8	68.2	.686	.76	77.5	78.9	„	0.3		+	10	8	1.10
8 „	.913	.218	76.0	71.0	5.0	68.6	.695	.79	77.2	78.7	NW b N	0.2		+	10	8	1.11
9 „	.923	.258	75·5	70.0	5.5	67.2	.665	.77	77.0	78.6	„	0.0		+	6		1.40
10 „	.923	.297	73.0	68.0	5.0	65.4	.626	.78	76 0	78.6	„	0.0		+	14	12	0·45
11 „	.910	.306	72.6	67.2	5.4	64.3	.604	.77	75.6	78.5	„	0.0		+	10	8	1.10
Nov. 28th-Midnight	.904	.256	72·5	68.5	4.0	66.5	.648	.82	75.3	78.5	NW b N	0.0		+	8	6	1·00
1 a. m.	.881	.241	71.7	68.0	3.7	66.1	.640	.84	74.5	78.4	„	0.2		+	12	10	0.56
2 „	.871	.245	71.5	67.5	4.0	65.4	.626	.82	74.0	78.3	„	0.1		+	6		1.22
3 „	.859	.179	72.7	69.5	3.2	67.9	.680	.86	74.0	78.3	„	0.2		+	4		
4 „	.855	·187	72.2	69.0	3.2	67.4	.668	.86	73.8	78.3	NE b N	0.1		+	4		
5 „	.870	.233	72·0	68.0	4.0	65.9	.637	.82	73.8	78.3	„	0.0		+	2		
6 „	.900	.274	71.5	67.5	4.0	65.4	.626	.82	73.5	78.2	„	0.1		+	2		
7 „	·924	.289	72.2	68.0	4.2	65.8	.635	.81	73.8	78.0	„	0.1		+	4		
8 „	·943	.328	74.0	68.0	6.0	64.9	.615	.74	74.0	77.9	NE	0.2	None.	+	2		
9 „	·956	.320	75.7	69.2	6.5	65.9	.636	.73	75.2	78·0	NE b E	0.2		+	2		
10 „	·953	.305	77.8	70.2	7.6	66.5	.648	.70	76.4	78.0	„	0·2		+	1		
11 „	·947	.314	80.0	70·5	9.5	65.7	.633	.63	77.5	78.1	„	0.2		+	3		
Noon.	·922	.362	82.0	69.0	13.0	62.0	.560	.52	79.0	78.3	„	0.2		+	1		
1 p.m.	·885	.336	84.2	69.4	14.8	61·4	.549	·48	79.9	78.4	WNW	0.2		+	4		
2 „	·876	.316	85.0	70.0	15.0	62.0	.560	.48	80.0	78.5	„	0.2		+	14		
3 „	·865	.277	84.0	70.5	13.5	63.5	.588	.52	80.5	78.8	„	0.2		+	8		
4 „	·873	.215	82.6	72.0	10.6	66.9	.658	·61	80.2	78.9	NW b W	0.2		+	2		
5 „	.894	.193	79.4	72.2	7.2	68.9	.701	.71	79.2	78.9	„	0.5					
6 „	.905	.228	77.6	71.0	6.6	67.8	.677	.73	78·3	78·9	NW	0.4					
7 „	.929	.180	77.1	72.8	4.3	70.9	·749	.82	78.0	78.8	NW b N	0.2		+	2		
8 „	.934	.248	76.8	71.0	5.8	68.2	·686	.76	77.2	78.8	„	0.1		+	1		
9 „	.948	.242	75.0	71.0	4.0	69.1	·706	.83	77.0	78.7	„	0.1		+	1		
10 „	.949	.250	74·0	70.5	3·5	68.8	.699	.85	76.2	78.7	„	0.1		+	4		
11 „	.946	.275	73.5	69.5	4.0	67.5	·671	.83	75.6	78.6	„	0.1		+	2		
Nov. 29th-Midnight	.943	·313	72.6	68.0	4.6	65.6	.630	.80	75.3	78.6	NW b N	0.0		+	2		
1 a. m.	.920	.290	72.6	68.0	4·6	65.6	.630	.80	75.0	78.5	„	0.1		+	2		
2 „	.913	.245	72.2	69.0	3.2	67.4	.668	.86	74.2	78.5	NNW	0.1		+	1		
3 „	.909	.241	72.2	69.0	3·2	67.4	.668	.86	74.2	78.4	„	0.1		+	1		Above 10m.
4 „	.908	.282	73.0	68.0	5.0	65.4	·626	.78	74.2	78.4	„	0.1		+	1		Above 10m.
5 „	.929	.259	72.0	69.0	3·0	67.5	·670	.87	74.0	78.3	„	0.1		+	2		4.11
6 „	.950	.286	72.0	68.8	3.2	67.2	·664	.86	73·8	78.3	„	0.1		+	4		1.6
7 „	·965	.302	72.6	69.0	3.6	67.2	·663	.84	73.4	78.2	N b W	0.1		+	2		2.31
8 „	·993	·322	75.0	70.0	5.0	67.5	.671	.79	75.0	78.2	NE b E	0.1					
9 „	30·011	.349	76.5	70.2	6.3	67.1	·662	.74	76.0	78.2	„	0.2					
10 „	·003	.339	78.8	71.0	7·8	67.2	·664	.69	76.7	78.3	ENE	0.1					
11 „	29·988	.372	80.0	70.0	10.0	64.9	.616	.62	77.7	78.4	N b W	0.1	None.			None.	
Noon.	·957	·355	81.8	70.2	11.6	64.2	.602	.57	78.5	78.5	NNW	0.3					
1 p.m.	.945	.305	82.6	71.5	11.1	66.1	.640	.59	79.0	78.5	NW b W	0.2					
2 „	·908	.300	82·8	71.0	12.8	64.5	.608	.54	79.8	78.6	„	0.3					
3 „	·890	.273	83.0	71.0	12.0	65.0	.617	.56	80.0	78.7	NW	0.5					
4 „	·886	.241	82.2	71.5	10.7	66.4	.645	.60	79.8	78.8	„	0.5					
5 „	·904	·206	79.0	72.0	7.0	68.7	.698	.72	79.0	78.8	„	0.6					
6 „	·921	·162	77.5	73.2	4.3	71.3	.759	.82	78.2	78.8	NW b N	0.5					
7 „	·941	·182	76.8	73.0	3.8	71.3	·759	.84	77.6	78.8	„	0.3					
8 „	·955	·194	76.6	73·0	3.6	71·4	.761	.85	77.6	78.8	NNW	0.2					
9 „	·966	·198	76.0	73.0	3·0	71.7	.768	.87	77.5	78.7	N b W	0.2					
10 „	·965	·228	74 8	71·8	3.0	70.4	.737	.87	76.6	78.7	„	0.1					
11 „	·963	·281	74·0	70.0	4.0	68·0	.682	.83	76.0	78.7	N	0.2					

Not observed.

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≈ cirri; ≋ cirro-cumuli; ⌒ cumuli; ⌣ cirro-strati; ⌒ cumulo-strati; and ≋ nimbi.	
0	B	A few ≋ above E hor.; mist in hor.	
1	G	≋ scattered about hor.; mist along E hor.	
2	G	≋ scattered about hor.; a few ≈ about zenith; mist along E hor.	
2	G	" " "	
1	G	≋ scattered about hor.; mist along E hor.	
3	C	≋ scattered about moving ENE; mist along E hor.	
3	C	" " "	
3	C	" " "	
0	C	A few ≋ dispersed about.	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°2.
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	A few ≋ in E hor.; dew falling.	
0	G	A few ≋ in E hor.; mist around hor.	
0	G	Mist around hor.	
0	C	"	
0	C	"	
0	B	A few ≋ in E hor.; mist in hor.	
0	B	" "	
1	G	≋ scattered along E hor.; mist in hor.	
1	G	" "	
1	C	≋ scattered along E hor. and mist along W hor.	
1	C	" "	
0	B	A few ≋ and mist along E hor.	
0	B	Cloudless.	
0	G	"	
0	G	Cloudless and dew falling.	
0	C	" "	
0	C	A few ≋ in E hor.; dew falling.	
1	B	≋ scattered along E hor.; dew falling.	
3	B	≋ scattered about moving NNW; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°2.
6	G	≋ scattered about moving N; dew falling.	
6	G	Clouds and dew as before.	
6	G	" "	
6	G	" "	
6	C	" "	
5	C	" "	
5	C	≋ scattered about moving N; mist and fog in hor.	
4	C	" " "	
1	B	≋ scattered about moving N; mist in hor.	
0	B	A few ≋ around hor.; mist in hor.	
0	B	A few ≋ in E hor.; mist in hor.	
1	B	≋ scattered along E hor.; mist in hor.	
1	G	" "	
2	G	" "	
2	G	" "	
2	G	" "	
1	B	≋ scattered around hor.; haze in E hor.	
0	B	A few ≋ around hor.	
0	B	Cloudless.	
0	B	"	
0	B	A few ≋ above E hor.; dew falling	
1	B	≋ scattered about hor.; dew falling.	
3	B	≋ scattered about hor. moving NNW; dew falling.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 1st-Midnight	29.945	29.283	75°8	70°0	5°8	67°1	0.662	0·76	76°8	79°2	N b E	0.0		+	4		1.15
1 a. m.	.927	·255	75·6	70.2	5.4	67.6	.672	.77	76.5	79.0	NNE	0.4		+	10		1.21
2 „	.919	.236	75.5	70.5	5.0	68.1	.683	.79	76.5	78.9	NE	0.3		+	14		0.48
3 „	.915	.232	75.5	70.5	5.0	68.1	.683	.79	76.2	78.9	NE.b E	0.4		+	8		1.24
4 „	.918	·247	75.0	70.0	5.0	67.5	.671	.79	76.0	78.8	„	0.3		+	6		2.34
5 „	.936	·293	73.5	68.7	4.8	66.2	.643	.79	76.0	78.7	„	0.2					
6 „	.954	·350	75.0	68·0	7.0	64.3	.604	.71	76.0	78.7	N b E	0.1					
7 „	.994	·385	76.0	68.5	7.5	64.6	.609	.69	76.4	78.7	NE b N	0.3					
8 „	30.013	.401	77.3	69.0	8.3	64.7	.612	.67	77.0	78.8	ENE	0.4					
9 „	.022	·436	79.6	69.0	10.6	63.4	.586	.60	77.6	78.8	„	0.5					
10 „	.021	.432	81.8	69.8	12.0	63.5	.589	.56	79.0	78.8	„	0.4	None.				
11 „	29.997	.448	83.0	69.0	14.0	61.4	.549	.50	80·0	78.9	NE b E	0.3					
Noon.	.969	.456	86.2	69.0	17.2	59 4	·513	.42	80.4	79.0	ENE	0.4					
1 p. m.	·936	·455	87.6	68.5	19.1	57.5	·481	.38	·82.5	79.4	NE b N	0.2					
2 „	·918	·458	88.0	68.0	20.0	56.2	·460	.36	83.2	79.5	„	0.2					
3 „	.905	·445	88.0	68.0	20.0	56.2	·460	.36	83.5	79.6	NNE	0.4					
4 „	.909	.479	87·6	67.0	20.6	54.1	·430	.34	83.5	79.8	„	0.2					
5 „	.911	.342	84.2	70.0	14.2	62.5	·569	.50	82.0	79·8	NNW	0.4		+	6		3.11
6 „	.925	.309	80.0	70.0	10.0	64.9	·616	·62	80.2	79.8	N b W	0.7		+	2		Above 10m.
7 „	·941	.306	78.3	70.0	8.3	65.8	·635	.67	79.0	79.7	NNW	0.6		+	1		Above 10 m
8 „	·958	.285	78.0	71.0	7.0	67.6	.673	.72	78.5	79.7	„	0.6		+	6		2.14
9 „	.966	·373	76.0	68.0	8.0	63.8	·593	.67	78.0	79.6	N b E	0.2		+	20	20	0.50
10 „	.967	.401	74.0	66.5	7.5	62.3	·566	.68	77.0	79.6	„	0.2		+	Out of Sc.	24	0.30
11 „	.962	·475	74.0	64.0	10.0	57.8	·487	.59	76.4	79.5	NNE	0.3		+	4		1·16
Dec. 2nd-Midnight	.957	.492	73.3	63.0	10.3	56.5	·465	.57	75.7	79.4	NNE	0.2		+	4		2.11
1 a. m.	.952	.484	73.0	63.0	10.0	56·6	·468	.58	75.3	79.3	„	0.3		+	1		Above 10m.
2 „	.946	.517	72.5	61.5	11.0	54.1	·429	.55	74.8	79.2	„	0.5		+	1		Above 10m.
3 „	.943	.520	71.6	61.0	10.6	53.7	·423	.56	74·0	79.0	„	0.3		+	1		Above 10m.
4 „	.943	.505	73.0	62·0	11.0	54.8	·438	.55	74.2	78.8	NE b N	0.4		+	2		Above 10m.
5 „	.946	.508	73.0	62.0	11.0	54.8	·438	.55	74.0	78.7	ENE	0.5		+	4		2.26
6 „	.968	.495	72.5	63.0	9.5	57.0	·473	.60	73.2	78.6	„	0.4		+	2		Above 10m.
7 „	.996	.513	72.8	63.5	9.3	57.6	·483	.61	73.0	78·4	„	0.3		+	2		Above 10m.
8 „	30.021	.545	75.0	64.0	11.0	57.2	·476	.56	74.1	78.2	„	0.2		+	1		Above 10m.
9 „	.034	.580	77.0	64.0	13.0	55.7	·454	.50	75.5	78.3	„	0.2		+	1		Above 10 m.
10 „	.029	.578	79.0	64.6	14.4	55.5	·451	.47	77.0	78.4	„	0.3					
11 „	.000	.539	82.0	66.0	16.0	56.2	·461	.43	78.4	78.5	NE b E	0.4	None.				
Noon.	29.968	.604	85.3	64.1	21.2	49.2	·364	.31	79.7	78.6	NE	0·3					
1 p. m.	.939	.537	87.3	66.0	21.3	52.2	·402	.32	81.8	78.6	NE b N	0.2					
2 „	.910	.430	89.2	69.0	20.2	57.4	·480	.36	82.5	78.9	W b S	0.6					
3 „	.902	.363	84.5	69.2	15.3	60.9	·539	·47	81.3	79.1	NNW	0.7		+	1		Above 10m
4 „	.901	.321	83.2	70.0	13.2	63.1	·580	.52	81.0	79.1	„	0.8					
5 „	.919	.286	80.0	70.5	9.5	65.7	.633	.63	79.8	79.2	„	0.6		+	4		2.16
6 „	.934	.264	78.3	71.0	7.3	67.5	·670	.71	78.5	79.2	„	0.4		+	4		2.28
7 „	.955	.304	77.5	70.2	7.3	66.6	·651	.71	78.0	79.1	„	0.2		+	2		Above 10m.
8 „	.979	·375	75.0	68.0	7.0	64.3	·604	.71	77.0	79.0	„	0·2		+	4		2.38
9 „	.993	.422	75.0	67.0	8.0	62.6	·571	·67	76·4	79.0	NNE	0.1		+	Out of Sc.	24	0.37
10 „	.991	.420	75.0	67.0	8.0	62.6	·571	.67	76.0	79.0	„	0.1		+	16	14	0.24
11 „	.986	.457	73.0	65.0	8.0	60.3	·529	.66	75.6	79.0	„	0.1		+	14	10	1.19
Dec. 3rd-Midnight	.974	.469	72.4	64.0	8.4	58.9	·505	.64	75.0	78.9	NE b N	0.2		+	8		1.50
1 a. m.	.972	.549	72.2	61.2	11.0	53.7	·423	·54	74·5	78.7	„	0.3		+	4		2.00
2 „	.963	.540	71.6	61·0	10.6	53.7	·423	.56	74.0	78.6	„	0.2		+	1		Above 10m.
3 „	.957	.537	72.5	61.2	11.3	53.4	·420	·54	74.0	78·5	NE b E	0.5		+	2		Above 10m.
4 „	.952	.546	71.3	60.3	11.0	52.4	·406	.53	73.5	78.3	NE	0·1		+	2		Above 10m.
5 „	.953	.552	71.0	60.0	11.0	52.1	·401	.53	73.1	78.2	„	0.2		+	4		2.38
6 „	.974	.575	71.2	60.0	11.2	51.9	·399	.53	72.8	78.0	„	0.2		+	6		1.27
7 „	.998	.588	71.5	60.5	11.0	42·7	·410	.54	73·0	77.9	„	0.1	None.	+	2	None.	
8 „	30.017	.620	74.0	61.0	13.0	51.8	·397	.58	73.5	77.8	NE b N	0.1		+	1		Above 10m.
9 „	.038	.648	76.5	61.7	14.8	51.3	·390	.44	75.0	77.9	„	0.2					
10 „	.027	.611	78.2	63.2	15.0	53.2	·416	.44	76.1	78.0	NE b E	0.2					
11 „	28.999	.687	81.5	61.0	20.5	44.8	·312	.30	78.0	78.1	NNE	0.2					

Amount of Clouds. 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
2	B	≀ scattered about hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
2	G	≀ scattered about hor.; dew falling.	
1	G	≀ scattered around hor.	
0	G	A few ≀ around hor.	
0	G	Cloudless.	
0	C	,,	
0	C	A few ≀ along the E hor.; mist in hor.	
0	C	,, ,,	
0	C	,, ,,	
0	G	Mist in hor.	
0	G	,,	
0	G	A few ≀ in W hor.	
0	G	,, ,,	
2	B	≀ scattered here and there.	
2	B	,, ,,	
1	B	,, ,,	
0	B	A few ≀ dispersed about.	
1	G	≀ scattered here and there.	
1	G	,, ,,	
0	G	A few ≀ dispersed about.	
0	G	Cloudless.	
0	C	,,	
0	C	,,	
0	C	,,	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0.
0	B	,,	
0	B	,,	
0	B	,,	
0	B	A few ≀ in SE hor.	
0	G	,, ,,	
2	G	≀ and mist all around hor.	
2	G	,, ,,	
2	G	,, ,,	
2	C	≀ scattered about hor. from NE to S; mist in hor.	
2	C	≀ scattered about hor. from NE to SE; mist in hor.	
3	C	≀ scattered from NE to S hor.; mist in hor.	
3	C	,, ,,	
2	B	≀ scattered along the E hor.	
4	B	≀ scattered here and there.	
5	B	≀ scattered about moving ENE.	
5	B	≀ scattered about moving NE.	
6	G	≀ scattered about moving NE; haze along the E hor.	
6	G	≀ scattered about moving NE.	
5	G	≀ scattered about; dew falling.	
5	G	,, ,,	
3	C	≀ scattered about.	
0	C	≀ scattered about here and there.	
0	C	A few ≀ around hor.	
3	C	≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. Temperature of calculated Dew-point at 2 P.M. was 40°3 lowest in the month and which was also lowest during the year.
4	B	,,	
6	B	,,	
6	B	,,	
6	B	,,	
6	G	,,	
6	G	≀ scattered about moving NNW.	
5	G	≀ scattered about moving NW; mist in hor.	
5	G	,, ,,	
6	C	Clouded as before.	
6	C	,, ,,	
6	C	,, ,,	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw of Volts 1.	Readings of Straw of Volts 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 3rd-Noon.	28.960	29.656	85°0	62°0	23°0	44°0	0.304	0.26	80°0	78°3	NNE	0.3					
1 p. m.	.925	.640	87.2	62.2	25.0	42.2	.285	.24	81.6	78.5	N b E	0.5					
2 „	.896	.629	88.4	62.0	26.4	40.3	.267	.21	82.8	78.6	NNE	0.5					
3 „	.883	.600	89.6	63.0	26.6	42.0	.283	.22	83.8	78.9	N b E	0.6					
4 „	.883	.593	89.0	63.0	26.0	42.7	.290	.23	83.9	79.2	NNE	0.3					
5 „	.891	.510	84.9	64.5	20.4	50.6	.381	.30	82.7	79.3	N b W	0.2					
6 „	.911	.419	80.4	66.4	14.0	58.1	.492	.48	80.3	79.4	„	0.2	None.	+	6		1.39
7 „	.935	.414	77.2	66.2	11.0	59.9	.521	.58	78.8	79.3	N	0.2		+	12	10	0.49
8 „	.961	.537	77.0	63.0	14.0	53.7	.424	.47	78.0	79.1	N b E	0.4		+	8		2.11
9 „	.979	.586	77.0	62.0	15.0	51·7	.393	.43	78.0	79.0	NNE	0·2		+	2		Above 10m.
10 „	.982	.601	76.5	61.4	15.1	50.6	.381	.43	77·5	79.0	„	0.3					
11 „	.979	.551	76.6	63.0	13.6	54.0	.428	.48	77.3	79.0	„	0.4		+	2		4.20
														+	2		4·41
Dec. 4th-Midnight	29.970	.533	76.4	63.2	13.2	54.6	.437	.49	77.0	78.9	NE b N	0.2		+	8		4.5
1 a. m.	.961	.492	74.3	63.5	10.8	56.7	.469	.55	76.0	78.8	„	0·5		+	4		2.00
2 „	.951	.470	74.5	64.0	10.5	57.5	.481	.58	76.0	78.8	„	0.5		+	4		1.45
3 „	.942	.515	74.0	62.0	12.0	53.9	.427	.52	75.5	78.6	NE b E	0.6		+	2		Above 10m.
4 „	.940	.479	73.6	63.0	10·6	56.2	.461	.56	75.0	78.5	„	0.5		+	1		Above 10m.
5 „	.944	.479	73.3	63.0	10.3	56.5	.465	.57	74.7	78.4	NE	0.6		+	2		Above 10m.
6 „	.963	.489	73.6	63.3	10.3	57.0	.474	.59	74.5	78.2	NE b E	0.6		+	4		2.22
7 „	.984	.527	74.0	63.0	11.0	55.9	.457	.55	75.0	78.0	ENE	0.4		+	2		Above 10m.
8 „	30.005	.577	76.6	63.0	13·6	54.0	.428	.48	75.2	78.0	„	0.6		+	2		Above 10m.
9 „	.014	.582	79.0	64.0	15.0	54.3	.432	.45	76.6	78.2	„	0.7					
10 „	.006	.508	81.6	67.0	14.6	58.5	.498	.48	78.1	78.4	„	0.6		+	4		4.2
11 „	29.979	.445	84.3	69.0	15.3	60.6	.534	.46	80.2	78.6	E b N	0.7	None.	+	2		5.16
Noon.	.953	.557	85.2	65.1	20.1	51.7	.396	.33	81.0	78.8	NE b E	0.4		+	2		4.5
1 p. m.	.922	.621	88.0	63.0	25·0	43.7	.301	.24	82.8	79.0	„	0.3					
2 „	.900	.391	90.3	70.2	20.1	59.2	.509	.37	84.0	79·2	NW b N	0.6					
3 „	.887	.269	86·3	72.0	14.3	65.0	.618	.50	83.0	79.3	NNW	0.5					
4 „	.891	.267	84.0	71.5	12.5	65.3	.624	.55	82.0	79.4	NW b N	0·5		+	2		4.40
5 „	.896	.198	80.7	72.5	8.2	68.7	.698	.68	80.0	79.5	„	0.4		+	16	12	0.47
6 „	.909	.242	78.5	71.0	7.5	67.3	.667	.70	79.1	79.5	NNW	0.3		+	10		1.11
7 „	.926	.249	77.6	71.0	6.6	67.8	.677	.73	78.5	79·4	„	0.4		+	6		2.47
8 „	.941	.292	77.0	70.0	7.0	66.5	.649	.71	78.0	79.4	„	0.3		+	12	10	1.11
9 „	.952	.359	76.3	68.1	8.2	63.8	.593	.67	77.6	79.4	„	0.4		+	14	12	0.42
10 „	.953	.416	73.4	65.4	8.0	60.8	.537	.66	77.0	79.3	„	0.1		+	14	12	0.40
11 „	.940	.446	72.0	63.5	8.5	58.3	.494	.64	75.7	79.2	„	0.1		+	10		3.9
Dec. 5th-Midnight	.924	.384	72.0	65.0	7.0	60.9	.540	.70	75.2	79.1	NNW	0.1		+	24	20	0.32
1 a. m.	.920	.362	72.3	65.5	6.8	61.6	.558	.71	75.0	79.0	„	0.2		+	10	8	0.56
2 „	.903	.427	72.3	63·0	9.3	57.2	.476	.61	74.5	78·8	N b E	0.3		+	4		2.20
3 „	.891	.442	72.0	62.0	10.0	55.4	.449	.58	74.0	78·6	NNE	0.5		+	1		Above 10m.
4 „	.892	.449	72.5	62.0	10.5	55.0	.443	.56	74.0	78·5	„	0.5		+	1		Above 10m.
5 „	.888	.468	72.5	61.2	11.3	53.4	.420	.54	73.7	78.4	„	0.5		+	1		Above 10m.
6 „	.902	.464	73.0	62.0	11.0	54.7	.438	.55	73.5	78.4	„	0.4					
7 „	.942	.468	73.8	63.4	10.4	57.0	.474	.57	74.2	78.2	NE b N.	0.2		+	1		Above 10m.
8 „	.970	.524	75.0	63.0	12.0	55.2	.446	.52	75.0	78.1	„	0.2		+	8		1·49
9 „	.990	.504	77.5	65.2	12.3	57.8	.486	.53	76.0	78.2	„	0.2		+	10	8	4.16
10 „	.985	.490	79.0	66.0	13.0	58.3	.495	.51	77.2	78.4	NE	0.2		+	6		4.39
11 „	.966	.561	81.4	64.0	17.4	52.4	.405	.38	78.5	78.5	„	0.1		+	2		4.47
Noon.	.932	.520	85.8	65.8	20.0	52.9	.412	.34	80.6	78.6	„	0.1	None.				
1 p. m.	.902	.443	85.6	67.2	18.4	56.1	.459	.39	81.0	78.6	NW b W	0.2					
2 „	.889	.359	84.6	69.0	15.6	60.4	.530	.46	81.0	78.7	„	0.5					
3 „	.880	.240	84.3	72.0	12.3	66.1	.640	.56	81.0	78.8	NW	0.6					
4 „	.884	.229	83.6	72.2	11.4	66.8	.655	.59	81.0	79·0	„	0.6					
5 „	.891	.163	80.7	73.3	7.4	70.0	.728	.71	80.1	79.0	„	0.5					
6 „	.910	.138	78.3	73.8	4.5	71.8	.772	.81	77.8	79.0	NW b N	0.3		+	2		Above 10m.
7 „	.926	.169	77.0	73.0	4·0	71.2	.757	.83	78.0	79.0	NNW	0.2		+	6		1.28
8 „	.950	.172	76.4	73.4	3.0	72.1	.778	.87	77.2	78.9	„	0·1		+	4		2.26
9 „	.953	.187	76.2	73.0	3.2	71.6	.766	.86	77.0	78.8	„	0.1		+	2		3.11
10 „	.947	.179	76.0	73.0	3.0	71.7	.768	.87	77.0	78.8	„	0.2		+	1		Above 10m.
11 „	.940	.161	75.0	73.0	2.0	72.1	.779	.91	76.2	78.7	„	0.1		+	4		2.16

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌒≀ cirro-strati; ∩⌒≀ cumulo-strati; and ⌒⌒≀ nimbi.	
0	C	Clouded as before.	
0	B	≀ scattered about hor.	
0	B	≀ scattered about hor. except in W.	
0	B	" "	
0	B	" "	
0	G	≀ and mist around hor.	
0	G	≀ scattered about.	
0	G	" "	
0	G	≀ scattered about hor.	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	A few cirri dispersed here and there.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. Temperature of Air at 2 P.M. was 90°3 greatest during the month.
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
1	G	≀ scattered along the E hor.	
1	G	≀ scattered along the E hor.; mist around hor.	
1	G	" "	
1	C	≀ scattered about SE hor.; mist in hor.	
1	C	" "	
1	C	" "	
1	C	≀ scattered about E and SE hor.; mist in hor.	
0	B	A few ≀ in SE hor.	
0	B	Cloudless.	
0	B	A few ≀ above ESE and S hor.; mist along the E hor.	
0	B	A few ≀ in hor. from E to S; mist along the E hor.	
1	G	≀ scattered along the E hor.; mist in hor.	
2	G	≀ scattered about hor.	
2	G	" "	
2	G	" "	
1	C	" "	
1	C	" "	
0	C	A few ≀ around hor.	
0	C	A few ≀ in hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. 5th December was the 21st day on which the sky remained almost cloudless.
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Mist along the E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 7th-Midnight	29.864	29.207	74°8	69°5	5°3	66°9	0.657	0.77	76°6	79°1	NNE	0.2		+	12		0.29
1 a. m.	.848	.261	73.5	67.0	6.5	63.4	.587	.72	76.0	78.9	,,	0.0					
2 ,,	.843	.256	73.5	67.0	6.5	63·4	.587	.72	75.6	78.8	,,	0.0		+	1		Above 10m.
3 ,,	.842	.247	72.8	67.0	5.8	63.9	.595	.75	75.0	78.6	NE	0.2					
4 ,,	.844	.240	72.0	67.0	5.0	64.3	.604	.78	74.8	78.6	NE b E	0.1					
5 ,,	.849	.245	72.0	67.0	5.0	64.3	.604	.78	74.8	78.5	,,	0.3		+	1		Above 10m.
6 ,,	.862	.258	72.6	67.2	5.4	64.3	.604	.77	74.6	78.3	,,	0.2		+	2		Above 10m.
7 ,,	.888	.293	72.8	67.0	5.8	63.9	.595	.75	74.6	78.2	ENE	0.2		+	7		2.26
8 ,,	.910	.328	74.0	67.0	7.0	63.2	.582	.70	74.9	78.1	,,	0.1		+	8		3.21
9 ,,	.928	.313	77.0	69.0	8.0	64.9	.615	.68	76.0	78.2	,,	0.2		+	10	10	4.25
10 ,,	.920	.304	78.5	69.5	9.0	64.9	.616	.65	77.0	78.4	,,	0.1	None.	+	8		4.29
11 ,,	.904	.279	79.2	70.0	9.2	65.4	.625	.64	77.7	78.5	,,	0.1		+	10	8	1.11
Noon.	.873	.260	81.8	70.5	11.3	64.8	.613	.53	78.8	78.6	N b E	0.2					
1 p. m.	.838	.216	82.5	71.0	11.5	65.2	.622	.58	79.3	78.6	NW b W	0.5					
2 ,,	.828	.170	82.7	72.0	10.7	66.9	.658	.60	79.6	78.6	NW	0.6					
3 ,,	.814	.147	82.5	72.2	10.3	67.3	.667	.62	79.8	78.8	NW b N	0.6					
4 ,,	.820	.118	82.0	73.0	9.0	68.9	.702	.66	79.8	78.9	NNW	0.8					
5 ,,	.834	.062	78.3	73.8	4.5	71·8	.772	.81	78.6	78.9	,,	0.7		+	4		1.48
6 ,,	.840	.046	77.0	74.0	3.0	72.8	.794	.87	78.0	78.9	,,	0.5		+	8		1.11
7 ,,	.858	.136	76.8	72.0	4.8	69.8	.722	.80	77.7	78.8	,,	0.6		+	5		2·46
8 ,,	.878	.080	76.6	74.0	2.6	72.9	.798	.89	77.1	78.7	,,	0.7		+	10	8	1.21
9 ,,	.894	.215	75.9	70.5	5.4	67.9	.679	.77	77.0	78.7	,,	0.3		+	4		3.5
10 ,,	.894	.226	75.3	70.0	5.3	67.4	.668	.77	76.5	78.7	,,	0.2		+	2		3.40
11 ,,	.886	.253	73.6	68.4	5.2	65.7	.633	.77	76.0	78.7	,,	0.1		+	10	8	0.24
Dec. 8th-Midnight	.871	.298	72.5	66.2	6.3	62.7	.573	.73	75.6	78.6	NNW	0.1		+	4		1.30
1 a. m.	.863	.388	72.4	63.0	9.4	57.1	.475	.60	75.0	78.6	,,	0.0					
2 ,,	.854	.288	72.5	66·0	6.5	62·3	.566	.72	74.6	78.6	,,	0.0		+	1		Above 10m.
3 ,,	.850	.191	73.0	69.0	4.0	67.0	.659	.82	74.9	78.5	,,	0.0					
4 ,,	.846	.176	72.0	69.0	3.0	67.5	.670	.87	74.4	78.3	,,	0.0					
5 ,,	.861	.193	72.2	69.0	3.2	67.4	.668	.86	74.0	78.2	,,	0.2		+	2		Above 10m.
6 ,,	.886	.218	72.2	69.0	3.2	67.4	.668	.86	73.6	78.1	,,	0.1		+	4		2.21
7 ,,	.909	.230	72.4	69.4	3.0	67.9	.679	.87	73.0	78.0	,,	0.1		+	2		Above 10m.
8 ,,	.941	.293	74.0	69.0	5.0	66.5	.648	.78	74.4	77.9	,,	0.2		+	1		Above 10m.
9 ,,	.957	.298	77.4	70.4	7.0	67.0	.659	.71	76.0	78.0	N b W	0.2					
10 ,,	.957	.312	78.7	70.4	8.3	66.4	.645	.67	77.2	78.1	,,	0.2					
11 ,,	.943	.260	80.4	72.0	8.4	68.1	.683	.67	78.1	78.3	,,	0.2	None.				
Noon.	.923	.216	81.5	73.0	8.5	69.1	.707	.68	79.0	78·4	,,	0.3					
1 p. m.	.896	.208	81.6	72.5	9.1	68.3	.688	.66	79.1	78.5	NW b W	0.6					
2 ,,	.872	.204	81.7	72.0	9.7	67.4	.668	.63	79.1	78.6	WNW	0.6					
3 ,,	.856	.186	82.2	72.2	10.0	67.5	.670	.62	79.5	78.6	NW	0.4					
4 ,,	.852	.212	81.0	71.0	10.0	66.1	.640	.62	79.1	78.8	,,	0.5					
5 ,,	.870	.211	79.3	71.0	8.3	67.0	.659	.67	78.5	78.8	,,	0.4		+	1		Above 10m.
6 ,,	.881	.233	77.8	70.2	7.6	66.5	.648	.70	78.0	78.9	,,	0.7		+	1		Above 10m.
7 ,,	.905	.212	76.2	71.0	5.2	68.5	.693	.78	77.2	78.8	NW b N	0.6		+	4		2.26
8 ,,	.924	.264	76.0	70.0	6.0	67.0	.660	.75	77.0	78.7	,,	0.6		+	1		Above 10m.
9 ,,	.944	.284	76.0	70.0	6.0	67.0	.660	.75	76.8	78.7	NNW	0.2		+	2		4.5
10 ,,	.949	.271	74.4	70.0	4.4	67.8	.678	.81	76.3	78.7	,,	0.1		+	4		1.40
11 ,,	.944	.342	73.7	67.5	6.2	64.2	.602	.74	75.8	78.6	,,	0.2		+	10	8	2.5
Dec. 9th-Midnight	.942	.346	73.7	67.3	6.4	63.9	.596	.73	75.4	78.6	NNW	0.2		+	4		2.45
1 a. m.	.932	.378	73.6	66.0	7.6	61.7	.554	.68	75.2	78.6	,,	0.2		+	4		1.20
2 ,,	.924	.395	73.0	65.0	8.0	60.3	.529	.66	74.8	78.5	,,	0.1		+	2		5.00
3 ,,	.895	.407	72.6	63.5	9.1	57.9	.488	.62	74.4	78.5	,,	0·1					
4 ,,	.899	.449	71.9	62.0	9.9	55.5	.450	.58	74.0	78.3	,,	0.1	None.				
5 ,,	.910	.434	72.3	63.0	9.3	57.2	.476	.61	74.0	78.1	,,	0.0		+	1		3.28
6 ,,	.922	.473	72.0	62.0	10.0	55.4	.449	.58	73.7	78.0	,,	0.2		+	4		2.9
7 ,,	.955	.509	72.8	62.2	10.6	55.2	.446	.56	73.7	77.9	,,	0.2		+	2		3.16
8 ,,	.973	.512	73.6	63.0	10.6	56.2	.461	.57	74.0	77.8	,,	0.2		+	14	12	0.38
9 ,,	.988	.481	75.0	65.0	10.0	59.0	.507	.59	75.1	77.8	,,	0.2		+	2		4.28
10 ,,	.987	.471	76.0	65.6	10.4	59.6	.516	.58	75.5	77.9	,,	0.1					
11 ,,	.986	.467	77.4	66.2	11.2	59.7	.519	.56	76.2	78.0	,,	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒≀ cumuli; ⌣≀ cirro-strati; ⌒≀ cumulo-strati; and ≀≀≀ nimbi.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. Corrected reading of Barometer at 3 P.M. was 29·814in. lowest in the month, and temperature of calculated Dew-point at 8 P.M. was 72·9 greatest during the month.
0	B	"	
0	B	"	
0	B	A few ≀ around hor.	
0	B	" "	
0	G	" "	
0	G	A few ≀ in E hor.	
0	G	A few ≀ in E hor.; mist around hor.	
0	G	" " "	
0	C	" " "	
0	C	" " "	
0	C	" " "	
1	C	≀ scattered along the E hor.; mist in hor.	
1	B	≀≀ scattered along the E hor.	
1	B	" "	
1	B	" "	
2	B	≀≀ scattered about hor.; mist along the E hor.	
2	G	" " "	
4	G	≀≀ scattered here and there.	
4	G	" "	
2	G	≀≀ scattered about hor.	
1	C	" "	
1	C	" "	
0	C	A few ≀≀ around hor.	
0	C	A few ≀≀ around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 82°0 and 83°0. 8th December was the 34th day on which lightning was seen after sunset.
0	B	A few ≀≀ along the E hor.	
0	B	" "	
0	B	A few ≀≀ along the E hor.; dew falling.	
0	B	Cloudless; dew falling.	
1	G	≀≀ scattered along the E hor.	
1	G	" "	
3	G	≀≀ scattered about; mist around hor.	
3	G	" "	
5	C	" "	
5	C	" "	
5	C	≀≀ scattered about moving NNE; mist in hor.	
4	C	" "	
2	B	≀≀ scattered along the E hor.; ≀ dispersed in E hemisphere.	
2	B	" " "	
1	B	⌒≀ and ⌣≀ along the E hor.; a few ≀ above E and S hor.	
2	B	⌒≀, ⌣≀, ≀ and ≀≀ scattered along the E hor.	
2	G	" "	
1	G	⌒≀ along the E hor.; ≀ and ≀≀ scattered about.	
1	G	" "	
1	G	≀ and ≀≀ scattered about hor.; lightning in E hor.	
1	C	≀ and ≀≀ scattered about, lightning in SE hor. at intervals of 2½m.	
2	C	≀ and ≀≀ scattered about; lightning in SE hor. at intervals of 3m.	
2	C	≀≀ scattered about W and N hor.; lightning in E and SE hor. at intervals of 5½m.	
2	C	≀ and ≀≀ scattered about; lightning in E and SE hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°9 and 83°1. 9th December was the 35th day on which lightning was seen after sunset.
1	B	≀≀ scattered along the E hor.	
1	B	" "	
3	B	≀≀ scattered around hor. except in W.	
3	B	≀≀ scattered around hor.	
6	C	≀≀ scattered throughout moving ENE; a few ≀ here and there observed.	
6	G	" " "	
7	G	≀≀ scattered throughout moving ENE; mist in hor.	
8	G	Overcast with ≀≀ moving NE; mist in hor.	
8	C	Overcast; mist in hor.	
8	C	Overcast with ≀≀ moving ENE; mist along the W hor.	
8	C	Overcast with ≀≀ moving ENE.	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 feet in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volts 1.	Electrical Instruments. Readings of Straw of Volts 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 9th-Noon.	29.964	29.341	79°4	70°0	9°4	65°3	0·623	0.63	77°1	78°1	NNW	0.1					
1 p. m.	.944	.300	79.0	70.5	8.5	66.3	.644	.67	77.5	78.1	„	0.2					
2 „	.932	.261	78.2	71.0	7.2	67.5	·671	.71	77.5	78.1	„	0.3					
3 „	.922	.246	78.1	71.1	7.0	67.8	.676	.72	77.5	78.2	„	0.3					
4 „	.924	.240	77.0	71.0	6.0	68.1	.684	.75	77.0	78.2	„	0.4					
5 „	·929	.257	76.5	70.5	6.0	67.6	.672	.75	76.5	78.2	NW b N	0.5	None.	None.	None.	None.	None.
6 „	.944	.273	75.0	70.0	5.0	67.5	.671	.79	76.0	78.1	NNW	0.4					
7 „	·960	.323	75.0	69.0	6.0	65.9	.637	.75	75.5	78.0	N	0.3					
8 „	.979	.377	73.7	67.5	6.2	64.2	.602	.74	75.0	78.0	„	0.2					
9 „	30.004	.479	73.4	65.0	8.4	60.1	·525	.65	75.0	78.0	„	0.2					
10 „	.000	.483	73.2	64.7	8.5	59.6	·517	.64	74.8	78.0	„	0.2					
11 „	29.993	.468	73.4	65.0	8.4	60.1	·525	.65	74.8	78.0	„	0.2					
Dec. 10th-Midnight	.987	.431	74.3	66.3	8.0	61.8	.556	.67	74.8	78.0	NE b N	0.2					
1 a. m.	.985	.399	73.6	67.0	6.6	63.4	.586	.72	74.5	78.0	„	0.1					
2 „	.971	.381	73.8	67.2	6.6	63.6	.590	.72	74.7	78.0	NE	0·1					
3 „	.962	.397	72.6	66.0	6.6	62.3	.565	.72	74.0	78.0	„	0.2					
4 „	.963	.423	72.0	65.0	7.0	60.9	.540	.70	74.0	77.8	„	0.0					
5 „	.968	.342	71.5	67.5	4.0	65.4	.626	.82	73.6	77.7	„	0.2					
6 „	.983	.426	71.3	65.3	6.0	61.9	.557	.73	73.0	77.6	„	0.1		+	1		Above 10m.
7 „	30.003	.452	71.8	65.3	6.5	61.5	.551	.72	73.0	77.5	NE b N	0.1		+ +	6		3.24
8 „	.020	.467	72.3	65.5	6.8	61.6	.553	.71	73.2	77.3	NNE	0.2		+	1		Above 10m.
9 „	·039	.504	75.4	66.0	9.4	60.6	.535	.62	74.6	77.4	„	0.3					
10 „	.038	.445	77.8	68.6	9.2	63.8	.593	.64	76.0	77.5	„	0.2					
11 „	.021	.425	78.7	69.0	9.7	63.9	.596	.62	77.0	77.6	„	0.2					
Noon.	29.995	.317	81.5	72.2	9.3	67.8	.678	.65	78.0	77.7	„	0.2	None.			None.	
1 p. m.	.965	.260	82.4	73.2	9.2	69.0	.705	.65	78.8	77.8	NNW	0.7					
2 „	.933	.201	82.6	74.0	8.6	70.2	.732	.68	79.4	78.0	„	0.8					
3 „	.920	.207	81.0	73.0	8.0	69.4	.713	.69	79.1	78.0	„	0.8					
4 „	·919	.229	79.7	72.0	7.7	68.4	.690	.70	78·8	78.2	„	0.8					
5 „	.917	.204	77.6	72.0	5.6	69.4	.713	.77	77.6	78.2	„	0.7					
6 „	.925	.147	76.4	73.4	3.0	72.1	.778	.87	77.0	78.2	„	0.5		+	6		1.29
7 „	.944	.176	76.0	73.0	3.0	71.7	.768	.87	76.4	78.2	N b W	0.6		+	8		2.4
8 „	.968	.222	75.8	72.3	3.5	70.8	.746	.85	76.0	78.2	„	0.6		+	6		2.39
9 „	.986	.280	75.0	71.0	4.0	69.1	.706	.83	76.0	78.2	„	0.4		+	8		2.50
10 „	.982	.277	74·4	70.8	3.6	69.0	.705	.84	75.8	78.2	„	0.3		+	8		1.10
11 „	.966	.267	74.0	70.5	3.5	68.8	.699	.85	75.6	78.2	„	0.1		+	10		0.50
Dec. 11th-Midnight	.954	·255	.74.0	70.5	3·5	68.8	.699	.85	75.3	78.2	N b W	0.1		+	6		1.10
1 a. m	.953	.274	73.6	69.8	3.8	67.9	.679	.83	75.2	78.1	N	0.1		+	4		1.45
2 „	.940	.271	72.7	69.2	3.5	67.4	.669	.85	75.0	78.0	N b W	0.0		+	6		1.00
3 „	.932	.280	72.1	68.5	3.6	66.6	.652	.84	74.4	78.0	„	0.1		+	1		Above 10m.
4 „	.926	.287	71.8	68.0	3.8	66.0	.639	.83	74.1	78.0	„	0·2		+	1		Above 10m.
5 „	.925	.258	70.8	68.5	2.3	67.3	.667	.90	73.8	77.9	„	0.2		+	4		1.32
6 „	.941	.289	70.6	68.0	2.6	66.6	.652	.88	73.0	77.7	„	0.2		+	6		2.07
7 „	.963	.359	72.6	67.2	5.4	64.3	.604	.77	73.2	77.5	„	0.2		+	1		Above 10m.
8 „	.978	.374	75.0	68·0	7.0	64·3	.604	.71	74.6	77.4	NE b N	0.1		+	1		Above 10m.
9 „	.999	·346	76.6	70.0	6.6	66.7	.653	.73	75.8	77.5	„	0.2					
10 „	.992	·317	78.5	71.2	7.3	67.7	.675	.71	77.0	77.7	„	0.2					
11 „	·974	·323	79.3	70.8	8.5	66.6	.651	.67	77.7	77.9	„	0.1	None.			None.	
Noon.	.949	.273	81.4	72.1	9.3	67.8	.676	.64	78.7	78.0	NNW	0.4					
1 p. m.	.916	.184	82.6	74.0	8.6	70.2	·732	.68	79.1	78.0	NW b W	0.3					
2 „	.897	.172	83.3	74.0	9.3	69.9	·725	.65	79.8	78.2	„	0.4					
3 „	.884	.157	83.7	74.2	9.5	70.0	·727	.65	80.3	78.4	„	0.5					
4 „	.880	.133	83.0	74.5	8.5	70.8	·747	.68	80.0	78.5	„	0.4					
5 „	.888	.160	80.7	73.3	7.4	70.0	·728	.71	78.2	78.6	„	0.3					
6 „	.908	.125	78.0	74.0	4.0	72·3	·783	.83	78.0	78.6	„	0.2		+	10		1.21
7 „	.915	.137	76.4	73.4	3.0	72.1	·778	.87	77.2	78.6	NNW	0.3		+ +	8		2.9
8 „	.943	.175	76.0	73.0	3.0	71.7	·768	.87	77.0	78.5	N b W	0.2		+ +	2		Above 10m.
9 „	.955	.206	76.0	72.5	3.5	70.9	.749	.85	77.0	78.5	„	0.2		+ +	2		Above 10m.
10 „	.957	.237	75.0	71.4	3.6	69.7	.720	.84	76.5	78.4	„	0.2		+ +	14		0.26
11 „	.952	.283	74.0	69.4	4.6	67.4	.669	.81	76.1	78.4	„	0.1		+	8		4.11

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
8	C	Overcast with ≀ moving ENE.	
8	B	" "	
8	B	Overcast with ≀ moving NE.	
8	B	" "	
8	B	" "	
8	G	" "	
8	G	" "	
8	G	Overcast; lightning in NE hor. at intervals of 1m. 12s.	
8	G	Overcast; lightning in E and NE hor. at intervals of 52s.	
8	C	Overcast; lightning in NE hor. at intervals of 2m. 40s.	
8	C	Overcast; lightning in NE hor. at intervals of 3½m.	
8	C	Overcast; lightning in NE hor. at intervals of 6m.	
8	C	Overcast with ≀ moving NE; lightning in NE hor. at intervals of more than 10m.	Mean daily temperature of ground 20 and 60 inches below its surface 81°8 and 83°1.
5	B	≀ scattered about moving NE; lightning in NE hor. at intervals of 5m. 20s.	
7	B	≀ scattered throughout moving N.	
7	B	" "	10th December was the 36th day on which lightning was seen after sunset.
7	B	" "	
7	G	" "	
8	G	Overcast with ≀ moving NE.	
8	G	Overcast with ≀ moving NNE.	
8	G	" "	
8	C	" "	
8	C	Overcast with ≀ and ≀, the former moving NE.	
8	C	" "	
7	C	≀ around hor.; ≀ scattered about moving ENE.	
6	B	≀ around hor.; ≀ scattered about moving NNE.	
7	B	" " "	
7	B	≀ along the E hor.; ≀ scattered about moving NE.	
7	B	≀ and ≀ along the E hor.; ≀ scattered about moving NE.	
7	G	≀ along the E hor.; ≀ and ≀ scattered about, the latter moving N.	
7	G	Clouded as before; lightning in NE and E hor. at intervals of 1m. 11s.	
6	G	≀ scattered about moving N; lightning in NE and E hor. at intervals of 37s.	
5	G	≀ and ≀ scattered about; lightning in E hor. at intervals of 1m. 12s.	
4	C	Clouded as before; lightning in NE at intervals of 2m. 15s.	
4	C	≀ and ≀ scattered about; lightning in NE hor. at intervals of 3m.	
5	C	≀ and ≀ scattered about; lightning in NE hor. at intervals of 4m. 25s.	
5	C	≀ and ≀ scattered about; lightning in NE hor. at 6m. 40s.	Mean daily temperature of ground 20 and 60 inches below its surface 81°7 and 83°2. The reading of Wet-bulb Thermometer at 4 P. M. was 74·5 largest in the month.
3	B	≀ scattered about hor.; dew falling.	
2	B	" "	
2	B	" "	
2	B	" "	
4	G	≀ scattered about; dew falling.	
4	G	≀ and ≀ scattered about.	
4	G	≀ and ≀ scattered about; mist and fog in hor.	11th December was the 37th day on which lightning was seen after sunset.
2	G	≀ scattered about; mist and fog in hor.	
3	C	" "	
1	C	≀ scattered around hor.; mist in hor.	
1	C	" "	
1	C	≀ and ≀ along the E hor.; ≀ above NW hor.; mist in hor.	
2	B	≀ scattered along the E hor.	
2	B	≀ scattered along the E hor.; ≀ above NW hor.	
1	B	≀ and ≀ along the E hor.; a few ≀ above NW hor.	
1	B	" "	
2	G	≀ along the E hor.; ≀ scattered above N hor.; mist in hor.	
2	G	Clouded as before; lightning in NE hor. at intervals of 3m. 14s.	
2	G	Clouded as before; lightning in NE hor. at intervals of 4m. 10s.	
2	G	≀ scattered from N to SE hor.; lightning in NE hor. at intervals of 4m. 37s.	
3	C	≀ scattered about; lightning in NE at intervals of 6m.	
2	C	≀ scattered about; lightning in NE now and then.	
2	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or—	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in recovering the power of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 12th Midnight	29.942	29.260	74·0	70·0	4·0	68·0	0.682	0.83	76·0	78·4	NNE	0.2		+	2		4.50
1 a. m.	.934	.272	74.3	69.5	4.8	67.1	.662	.79	75.6	78.3	„	0.1					
2 „	.926	.287	73.6	68.6	5.0	66.0	.639	.78	75.5	78.3	„	0.0					
3 „	.924	.296	72.8	68.0	4.8	65.5	.628	.79	75.0	78.3	„	0.0					
4 „	.917	.299	71.7	67.3	4.4	65.0	.618	.81	74.4	78.3	„	0.0					
5 „	.932	.306	71.5	67.5	4.0	65.4	.626	.82	74.0	78.2	„	0.1					
6 „	.940	.300	71.7	68·0	3.7	66.1	.640	.84	74.0	78.1	„	0.2		+	1		Above 10m.
7 „	.965	.361	72.0	67.0	5.0	64.3	.604	.78	74.2	77.9	„	0.1		+ +	2		Above 10m.
8 „	.989	.385	75.0	68.0	7.0	64.3	.604	.71	74.8	77.7	NE b N	0.2		+	1		Above 10m.
9 „	30.008	.373	76.4	69.4	7.0	65.8	.635	.71	76.0	77.7	NE	0.2					
10 „	.009	.377	78.5	70.0	8.5	65·7	.632	.67	77·5	77.9	„	0.1					
11 „	29.994	.366	79.6	70.2	9.4	65.5	.628	·64	77.8	78.0	„	0.1					
Noon.	.968	.346	83.2	71.2	12.0	65.2	.622	.56	79.0	78.1	„	0.1	None.			None.	
1 p. m.	.938	.285	84.4	72.4	12.0	66.7	.653	.57	80.0	78.3	N b W	0.2					
2 „	.917	.214	84.6	73.8	10.8	69.0	.703	.61	80.5	78.4	NW b N	0.2					
3 „	.911	.179	84.0	74.4	9.6	70.2	.732	.65	80.5	78.5	„	0.3					
4 „	.912	.175	82.2	74.0	8.2	70.4	.737	.69	80.0	78.7	NW	0.6					
5 „	.930	.182	79.5	73.5	6.0	70.9	.748	.76	79.0	78.6	NW b N	0.7		+	2		Above 10m.
6 „	.942	.194	77.8	73.0	4.8	70.9	.748	.80	78.3	78.6	NNW	0.6					
7 „	.974	.217	77.0	73.0	4.0	71.2	.757	.83	78.0	78.6	„	0.3					
8 „	.986	.252	76.4	72.2	4.2	70.3	.734	.82	77.5	78.6	„	0.2					
9 „	.999	.264	75.6	72.0	3.6	70.3	.735	.85	76.8	78.6	„	0.0					
10 „	.995	.280	74.8	71.2	3.6	69.5	.715	.84	76.2	78.5	„	0.1					
11 „	.991	.274	74.0	71·0	3.0	69.7	.717	.87	75·6	88.5	„	0.1		+	8		0.35
Dec. 14th Midnight	.991	.343	74.0	69.0	5.0	66.5	.648	.78	75.6	78.6	NW b N	0.1					
1 a. m.	.975	.329	74.2	69.0	5.2	66.4	.646	.78	75.5	78.6	N b W	0.3					
2 „	.955	.273	74.0	70.0	4.0	68.0	.682	.83	75.5	78.6	NE	0.3					
3 „	.948	.269	72 8	69.5	3.3	67.9	.679	.85	75.0	78.5	„	0·0					
4 „	.952	.297	71.6	68.4	3.2	66·8	.655	.86	74.4	78.4	„	0.0					
5 „	.960	.334	71.5	67.5	4.0	65.4	.626	.82	74.0	78.3	NE b E	0.1					
6 „	.978	.360	71.7	67.3	4.4	65.0	.618	.81	73 2	78.1	„	0.2					
7 „	30.002	.398	72.0	67·0	5.0	64.3	.604	.78	73.5	78.0	„	0·1		+	1		Above 10m.
8 „	.027	.408	74.2	68.2	6.0	65.1	.619	.74	74.0	77.9	„	0.2		+	4		3.14
9 „	.044	.411	75.4	69.0	6.4	65.7	.633	.73	75.2	78.1	„	0.2					
10 „	.039	.413	77.6	69.5	8.1	65.4	.626	.68	76.3	78.2	„	0.2					
11 „	.019	.414	79.5	69.5	10.0	64.4	.605	.62	77.4	78.3	„	0.2					
Noon.	29.989	.410	82.3	69.7	12.6	63.0	.579	.54	79.0	78.4	„	0.1	None.			None.	
1 p. m.	.950	.296	83.0	72.0	11.0	66.7	.654	.59	79.5	78.4	NW	0.5					
2 „	.938	.290	83.5	72.0	11.5	66.5	.648	.58	79.9	78.5	NW b N	0.4					
3 „	.931	.236	84.3	73.5	10.8	68.6	.695	.61	80.4	78.6	„	0.4					
4 „	.934	.204	82.8	74.0	8.8	70.1	.730	.67	80.0	78.7	NNW	0.5					
5 „	.932	.184	79·5	73.5	6.0	70.9	.748	.76	79.1	78.7	„	0.4					
6 „	.947	.188	77.5	73 2	4.3	71.3	.759	.82	78.0	78.7	N b W	0.6					
7 „	.961	.239	76.8	72 0	4.8	69.8	.722	.80	77.1	78.7	„	0.5					
8 „	.981	.321	76.0	70.0	6.0	67.0	.660	.75	76.5	78.6	„	0.3					
9 „	.997	.375	74.6	68.4	6.2	65.2	.622	.74	76.2	78.6	NNE	0.3					
10 „	.997	.467	73·5	65.2	8.3	60.4	.530	.65	75.6	78.5	„	0.2					
11 „	.985	.397	74.4	67.3	7.1	63.5	.588	.70	75.5	78.5	„	0.1					
Dec. 15th Midnight	.982	.389	73.3	67.1	6.2	63.8	.593	.73	75.2	78.5	N N E	0.1					
1 a. m.	.970	.391	74.3	67.0	7·3	63·0	.579	.69	75.5	78.5	„	0·0					
2 „	.956	.449	75.0	65·0	10.0	59.0	.507	.59	75.6	78.5	NE	0.4					
3 „	.948	.397	74.5	66.2	8.3	61.5	.551	.66	75.5	78.5	„	0.5					
4 „	.945	.365	74.2	67.0	7.2	63.1	.580	.70	75.3	78.4	„	0.3	None.	None.	None.	None.	None.
5 „	.944	.362	74.0	67.0	7.0	·63.2	.582	.70	75.0	78·3	NE b E	0.2					
6 „	.966	.362	72.6	67.2	5.4	64.3	.604	.77	73.7	78.1	„	0·2					
7 „	.984	.442	71.8	65.0	6.8	61.0	.542	.71	72·1	77.9	„	0.1					
8 „	30.012	.473	75.0	66.0	9.0	60·9	.539	.63	73.6	77.8	„	0.2					
9 „	.026	.446	76.0	67.6	8.4	63.1	.580	.66	75.0	77.9	„	0.1					
10 „	.020	.411	77.5	69.0	8.5	64.6	.609	.66	76.4	78.0	„	0.2					
11 „	29.999	.399	79 3	69.3	10.0	64.1	·600	.61	77.5	78.1	„	0.2					

Amount of Clouds. 0—8	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩≀ cumuli; ⌣≀ cirro-strati; ∩≀ cumulo-strati; and ∿≀ nimbi.	Remarks.
1	C	≀≀ scattered around hor.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°3.
0	B	A few ≀≀ in E hor.; dew falling.	
0	B	" "	
0	B	" "	
0	B	Cloudless; dew falling.	
0	G	A few ≀≀ in E hor.; dew falling.	
0	G	A few ≀≀ in E hor.	
0	G	A few ≀≀ in E hor.; mist around hor.	
0	G	" "	
0	B	Mist in hor.	
0	B	"	
0	B	"	
1	B	A few ≀≀ in E hor.; mist in hor.	
1	C	≀≀ scattered along the E hor.; mist in hor.	
2	C	" "	
2	C	" "	
1	C	" "	
1	B	≀≀ and mist along the E hor.	
0	B	" "	
0	B	A few ≀≀ in E hor.	
0	B	" "	
0	B	A few ≀≀ along the E. hor.; dew falling.	
0	B	Cloudless; dew falling.	
0	B	" "	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°3.
0	B	"	
0	B	Cloudless; dew falling.	14th December was the 22nd day on which the sky remained almost cloudless.
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist and fog in hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Light mist in hor.	
0	C	" "	
0	B	Mist along the E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	A few ≀ in NW hor.; mist in hor.	
0	G	" " "	
0	G	Cloudless.	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°1.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	A few ≀ above N and NW hor.; mist in hor.	
0	C	A few ≀ above N, NW and E hor.; mist in hor.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straw 1 of Volta 1.	Readings of Straw 2 of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 15th–Noon.	29.971	29.340	83°0	71°4	11°6	65°6	0.631	0.57	79°0	78°3	NNE	0.2					
1 p. m.	.942	.300	82.8	71.6	11.2	66.2	.642	.59	79.1	78.3	NW b N	0.4					
2 „	.926	.256	83.2	72.5	10.7	67.5	.670	.60	79.5	78.4	NW b W	0.4					
3 „	.914	.261	83.1	72.0	11.1	66.7	.653	.59	79.8	78.5	„	0.4					
4 „	.924	.249	82.8	72.5	10.3	67.7	.675	.62	79.8	78.6	„	0.5	None.	None.	None.	None.	None.
5 „	.929	.246	80.4	72.0	8.4	68.1	.683	.67	79.0	78.6	„	0 4					
6 „	.942	.271	78.2	71.0	7.2	67.5	.671	.71	78.1	78.6	NW b N	0.6					
7 „	.965	.293	76.5	70.5	6.0	67.6	.672	.75	77.5	78.5	NNW	0·4					
8 „	.986	.326	76.0	70.0	6.0	67.0	.660	.75	77.0	78.5	„	0.3					
9 „	.994	.330	75.6	70.0	5.6	67.2	.664	.77	77.0	78.5	„	0.1					
10 „	.991	.397	73.5	67.2	6.3	63.8	.594	.73	76.0	78·4	N b E	0:2					
11 „	.982	.388	72.6	67.0	5.6	64.0	.597	.76	75.3	78.4	„	0.2					
Dec. 16th–Midnight	.970	.368	73.7	67.5	6.2	64.2	.602	.74	75.3	78.4	NNE	0.1					
1 a. m.	.953	.438	71.5	64.0	7.5	59.5	.515	.68	74.5	78.4	„	0.0					
2 „	.942	.488	71.5	62·0	9.5	55.7	.454	.60	74.3	78.3	„	0.0					
3 „	.933	.423	71.3	63.8	7.5	59.2	.510	.67	74.2	78.2	N b E	0.0					
4 „	.931	.380	71.0	65.0	6.0	61.5	.551	.73	73.6	78·0	„	0.0					
5 „	.935	.369	70.2	65.2	5.0	62.3	.566	.77	73.2	77.9	„	0.2					
6 „	.947	.405	69.0	64.0	5.0	61.0	.542	.77	72.3	77.7	„	0.1					
7 „	.967	.446	69·6	63.5	6.1	59.9	.521	.73	72.0	77.6	„	0.2					
8 „	.999	.490	72.0	64.0	8.0	59.2	.509	.66	72.7	77.5	„	0.2		+	4		2·29
9 „	30.018	·449	74.6	66.8	7.8	62.5	.569	.68	74.0	77.6	„	0.1					
10 „	.014	.465	77.0	67.0	10·0	61.4	.549	.60	75.2	77.6	NE	0.1					
11 „	29.997	.430	79.3	68.3	11.0	62.4	.567	.58	76.7	77.7	„	0.1					
Noon.	.968	.397	80.4	68.8	11.6	62.6	.571	.56	77.7	77.8	NNW	0.1	None.			None.	
1 p. m.	.943	.378	81.5	69.0	12.5	62.3	.565	.54	78.0	77,8	NW	0.4					
2 „	922	.346	82.0	69.5	12.5	62.9	·576	.54	78.5	77.8	„	0.5					
3 „	.916	.262	83.0	72.0	11.0	66 7	.654	.59	79.1	78.0	„	0.5					
4 „	.920	.271	81.9	71.5	10.4	66.5	.649	.61	79.1	78.1	„	0.6					
5 „	.922	·277	78.7	70.4	8.3	66.3	.645	.67	78.0	78.1	„	0.4					
6 „	.937	.284	76.6	70.0	6.6	66.7	.653	.73	77.2	78.0	NNW	0.5		+	2		3.18
7 „	.951	.287	75.6	70.0	5.6	67.2	·664	.77	76.5	78.0	N b W	0.4		+	1		Above 10m.
8 „	.974	.370	75.0	68.0	7.0	64.3	.604	.71	76.2	78.0	NNW	0.4		+	1		Above 10m.
9 „	.986	.379	74.7	68.0	6.7	64.5	.607	.72	76.0	78.0	„	0.3		+	2		Above 10m.
10 „	.984	.421	72.8	66.0	6.8	62.2	.563	.71	75.0	78.0	„	0.1		+	2		4.10
11 „	.968	.461	70.6	63.4	7.2	59.0	.507	.69	74.0	77.9	„	0.1					
Dec. 17th–Midnight	.951	.537	69.8	60.0	9.8	53.0	.414	.58	73.3	77.8	NNW	0.1					
1 a. m.	.944	.477	68.2	61.2	7.0	56.6	.467	.68	72.0	77.6	„	0.0					
2 „	.936	.424	69.0	63.0	6.0	59.3	.512	.73	72.0	77.6	„	0.0					
3 „	.929	.544	67.3	58.0	9.3	50.9	.385	.58	71.0	77.4	„	0.0					
4 „	.922	.550	67.2	57.5	9.7	49.9	.372	·56	70 5	77.2	„	0.0					
5 „	.921	.553	66.4	57.0	9.4	49.6	.368	.57	68.9	77.0	„	0.1		+	6		1.38
6 „	.931	.559	66.0	57.0	9.0	49.9	.372	.58	68.0	76.9	„	0.2		+	10		1.00
7 „	.958	.595	67.1	57.1	10.0	49.2	.363	.55	68.3	76.7	„	0.2		+	4		3.26
8 „	.973	.647	70.2	57.0	13.2	46.0	·326	.45	70.0	76.6	„	0.1		+	2		3.50
9 „	.993	.608	73.8	60.5	13.3	50.9	.385	.47	72.0	76.6	NNE	0.1					
10 „	.990	.604	75.0	61.0	14.0	51.0	.386	.45	73.7	76.7	„	0.1					
11 „	.967	.503	77.8	64.6	13.2	56.4	.464	.50	75.0	76 8	N b E	0.1					
Noon.	.938	·454	80.0	66.0	14.0	57 6	.484	.48	76.1	76.9	N	0.2	None.			None.	
1 p. m.	.910	.384	81·5	67.8	13.7	60.1	·526	.50	77.0	76.9	NNW	0.5					
2 „	.893	.344	81.5	68.5	13.0	61.4	.549	.52	77.8	77.0	NW	0.6					
3 „	.880	.304	81.1	69.2	11.9	62.9	.576	.56	77.8	77.1	„	0.6					
4 „	.881	.295	80.2	69.2	11.0	63.4	.586	.58	77.6	77.2	„	0.5					
5 „	.887	.218	76·8	70.5	6.3	67.4	.669	.74	76.5	77.2	„	0.4					
6 „	.894	.266	75.8	69.0	6.8	65.5	.628	.72	76.0	77.2	„	0.3					
7 „	.909	.272	75·0	69.0	6.0	65.9	.637	.75	75.1	77.1	„	0.2		+	2		Above 10m.
8 „	.929	.310	74.2	68·2	6 0	65.1	.619	.74	75·0	77.0	„	0.4		+	1		Above 10m.
9 „	.936	.322	73·8	67.9	5.9	64.8	.614	.75	75.0	77.4	NW b N	0.2		+	2		2·00
10 „	.943	.342	71.7	66.8	4.9	64.2	.601	.78	74.0	77.3	„	0.1		+	10		0.48
11 „	.927	.384	69.5	64.2	5.3	61·1	.543	.76	72.5	77.2	„	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ⌣ cirro-strati; ∩⌣ cumulo-strati; and ≀∩ nimbi.	
0	C	A few ≀ above SW hor.; mist in hor.	
0	B	Mist in N and NE hor.	
0	B	≀≀ in ESE hor.; ≀ in E hor.; mist in NE hor.	
0	B	" " "	
2	B	≀ scattered about hor. from W to E; mist along the E hor.	
4	G	≀ scattered about; mist in hor.	
4	G	" " "	
2	G	≀ scattered about hor.	
1	G	" "	
1	C	" "	
0	C	A few ≀ above W hor.	
0	C	" "	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°5 and 83°0.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	A few ≀ in hor.	
0	G	" "	
0	G	A few ≀ and mist in hor.	
0	G	" "	
0	C	A few ≀ in E hor.; mist in hor.	
0	C	A few ≀ in N hor.; mist in W and E hor.	
0	C	Mist in N and E hor.	
1	C	≀ scattered above N hor.; mist in NE and E hor.	
1	B	" " " "	
1	B	≀ scattered above N and E hor.; mist in NE and E hor.	
1	B	≀ scattered from NW to E hor.; mist in NE and E hor.	
1	B	" " " "	
0	G	A few ≀ above NW hor.; mist along the E hor.	
0	G	A few ≀ above NW hor.	
0	G	Cloudless.	
0	G	"	
0	C	A few ≀ above W hor.	
0	C	" "	
0	C	Cloudless.	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°4 and 83°0. At 5, 6 and 8 A.M. the reading of Wet Bulb Thermometer was 57°0 lowest in the month.
0	B	"	
0	B	"	
0	B	"	
0	B	"	
0	G	"	
0	G	Mist around hor.	17th December was the 23rd day on which the sky remained almost cloudless.
0	G	" "	
0	G	" "	
0	C	" "	
0	C	Light mist along the E hor.	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	Mist around hor.	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	N	"	
0	N	A few ≀ above W and N hor.	
0	N	Cloudless and dew falling.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet-Bulb Thermometer.	Depression of Wet-Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Strawsof Volta 1.	Readings of Strawsof Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lb.	in.		Sc. div.	Sc. div.	m. s.
Dec. 18th-Midnight	29.901	29.404	69°0	62°5	6°5	58°4	0.497	0.71	72°0	77°0	NW b N	0.0		+	1		2.15
1 a. m.	.895	.444	67.8	60·5	7.3	55.5	.451	.67	71.1	76.9	,,	0.0					
2 ,,	.883	.390	68.0	62.0	6.0	58.2	.493	.71	71.1	76.8	,,	0.0					
3 ,,	.867	.428	67.5	60.0	7.5	54.7	.439	.66	70.5	76.7	,,	0.0					
4 ,,	.864	.459	68.0	59.0	9.0	52.4	.405	.60	70.5	76.5	,,	0.0					
5 ,,	.873	.468	68.0	59.0	9.0	52.4	.405	.60	70.0	76.3	,,	0.1					
6 ,,	.894	.476	67.4	59.2	8.2	53.3	.418	.62	69.1	76.2	,,	0.1					
7 ,,	.928	.512	68.6	59.6	9.0	53.2	.416	.60	70.0	76.1	,,	0.1					
8 ,,	.951	.558	70.4	59.5	10.9	51·5	.393	.53	70.5	76.0	NE b N	0 2					
9 ,,	.976	.549	72.4	61.4	11.0	53.9	.427	.54	72.0	76.1	,,	0.2		+	10		1.20
10 ,,	.977	.471	73.7	64.5	9.2	59.0	.506	.62	73.0	76.2	,,	0.2		+	4		4.10
11 ,,	.963	.480	76.3	64.7	11.6	57.6	.483	.54	74.5	76.2	,,	0.2		+	2		5.26
Noon.	.936	.447	77.8	65·4	12.4	58.0	.489	.52	75.4	76.3	NNW	0.2	None.				
1 p. m.	.907	.361	80.3	68.0	12.3	61.3	.546	.54	76.5	76.4	,,	0·5					
2 ,,	.892	.320	80.9	69.0	11.9	62.7	.572	.56	77.1	76.6	NW bN	0.5					
3 ,,	.881	.296	81.2	69.5	11.7	63.3	.585	.56	77.5	76.7	,,	0.6					
4 ,,	.883	.279	81.0	70·0	11.0	64.3	.604	.59	77.5	76.8	NW	0.5		+	1		Above 10m.
5 ,,	.901	.253	77.8	70.2	7.6	66.5	.648	.70	76.5	76.8	,,	0.4		+	6		2.27
6 ,,	.917	.238	75.9	70.5	5.4	67.9	.679	.77	76.0	76.9	,,	0.3		+	10	8	0.29
7 ,,	.942	.271	75.0	70.0	5.0	67.5	.671	.79	75.5	76.9	,,	0.4		+	14	12	0.20
8 ,,	.960	.314	74.2	69.0	5.2	66.4	.646	.78	75.0	76.8	,,	0·3		+	20	18	0.17
9 ,,	.970	.379	73.2	67.0	6.2	63.7	.591	.73	75.0	76.8	NW bN	0.3		+	20	18	0.56
10 ,,	.971	.370	72.3	67.0	5.3	64.2	.601	.77	74.4	76.8	,,	0.3		+	26	22	0.27
11 ,,	.966	.365	72.3	67.0	5.3	64.2	.601	.77	74.0	76.8	,,	0.2		+	10		1.25
Dec. 19th-Midnight	.957	.315	71.5	68.0	3.5	66.2	.642	.84	73.5	76.7	NW b N	0·1		+	22	20	0.30
1 a. m.	.949	.362	71.2	66.2	5.0	63.4	.587	.78	73.5	76.6	,,	0.0		+	1		Above 10m.
2 ,,	.934	.339	70.5	66.2	4.3	63.9	.595	.81	73.1	76.6	,,	0.0					
3 ,,	.923	.324	69.5	66.0	3·5	64.1	.599	.84	72.1	76.6	,,	0.0					
4 ,,	.916	.305	69.3	66.3	3.0	64.7	.611	.86	71.9	76.5	,,	0.0		+	1		Above 10m.
5 ,,	.916	.311	69.0	66.0	3.0	64.4	.605	.86	71.5	76.4	,,	0.1		+	4		2.39
6 ,,	.930	.307	68.9	66.5	2.4	65.3	.623	.89	71.0	76.3	,,	0.1		+	6		3.9
7 ,,	.968	.354	70.0	66.6	3.4	64.8	.614	.84	71.6	76.2	,,	0.1		+	4		3.26
8 ,,	.986	.380	71.8	67.0	4.8	64.4	.606	.79	72.0	76.1	NNW	0.1		+	1		Above 10m.
9 ,,	30.012	.396	73·3	67.8	5.5	64.9	.616	.76	73.2	76.2	NNE	0.2					
10 ,,	.010	.399	74.4	68.0	6.4	64.7	.611	.73	74.1	76.3	NE b N	0.1					
11 ,,	29.988	.393	76.4	68.2	8.2	63.9	.595	.67	75.2	76.4	,,	0.1	None.				
Noon.	.954	.418	79.7	67.5	12.2	60.7	.536	.54	76.8	76.5	,,	0.1					
1 p. m.	.931	.299	85.0	72.0	13.0	65.7	.632	.54	78.9	76.8	,,	0.2					
2 ,,	.910	.354	85.4	70.0	15.4	61.8	.556	.47	79·9	77.0	NNW	0.2					
3 ,,	.898	.295	84.3	71.0	13.3	64.3	.603	.53	79.8	77.2	NW	0.4		+	1		Above 10m.
4 ,,	.899	.240	82.5	72.0	10.5	67.0	.659	.61	79.1	77.3	,,	0.5		+	1		Above 10m.
5 ,,	.922	.241	79·2	71.6	7.6	68.0	.681	.70	78.4	77.4	,,	0.4		+	20	18	1.39
6 ,,	.933	.252	77.3	71·0	6.3	68.0	.681	.74	77.4	77.5	,,	0.4		+	4		4.10
7 ,,	.944	.267	76.7	70.7	6.0	67.8	.677	.75	77.0	77.5	,,	0.5		+	2		5·24
8 ,,	.967	.302	75.5	70.0	5.5	67.2	.665	.77	76.5	77.5	,,	0.1		+	6		1.4
9 ,,	.976	.371	74.0	67.7	6.3	64.4	.605	.73	76.0	77.4	NW b N	0.1		+	2		Above 10m.
10 ,,	.978	.373	74.0	67·7	6.3	64.4	.605	·73	75.8	77.3	NW	0.2					
11 ,,	.969	.396	73.7	66.6	7.1	62.7	.573	.70	75.6	77.2	NW b N	0.1					
Dec. 21st-Midnight	.986	.325	74.0	69.4	4.6	67.1	.661	.80	75.4	77.7	N b W	0.1					
1 a. m.	.980	.310	73.6	69.5	4.1	67.5	.670	.82	75·1	77.7	,,	0.1					
2 ,,	.962	.314	72.5	68.5	4.0	66.5	.648	·82	74.3	77.6	,,	0.0					
3 ,,	.961	.316	72.2	68.0	4.2	65.8	.635	.81	74.1	77.6	,,	0.0					
4 ,,	.965	.328	72.0	68.0	4.0	65.9	.637	.82	74.0	77.5	,,	0.0					
5 ,,	.968	.362	71.8	67.0	4.8	64.4	.606	.79	73.6	77.4	,,	0.2	None.	None.	None.	None.	None.
6 ,,	.983	.396	71.2	66.2	5.0	63.4	.587	.78	73.0	77.2	,,	0.1					
7 ,,	30.012	.414	70.8	66.4	4.4	64·0	.598	.80	72.5	77.1	,,	0.1					
8 ,,	.038	.422	73.3	67.8	5·5	64.9	.616	.76	73.4	77.0	N b E	0.2					
9 ,,	·058	.447	75.9	68.5	7.4	64.7	.611	.70	75.0	77.1	NNE	0.1					
10 ,,	.059	.449	78·1	69.2	8.9	64.6	.610	.65	76.2	77.2	NE b N	0.1					
11 ,,	.046	.444	79.8	69.5	10.3	64.2	.602	.61	77·2	77.3	NE	0.1					

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀≀ nimbi.	
0	N	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°2 and 83°0.
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	"	
0	G	A few ≀ in E; dew falling.	
1	G	Light ≀ scattered about.	
1	G	Light ≀ scattered about; mist around hor.	
1	G	" " " "	
0	C	A few ≀ in E above hor.; mist in hor.	
0	C	Mist around hor.	
0	C	" "	
0	C	A few ≀ above SE hor.; mist in hor.	
0	B	A few ≀ above E hor.; mist in NE and E hor.	
0	B	A few ≀ and mist in NE and E hor.	
1	B	≀ and mist along the E hor.	
1	B	≀ around hor.; mist along the E hor.	
1	G	" " "	
1	G	≀ scattered around hor.	
0	G	A few ≀ above W hor.	
0	G	A few ≀ above W hor.; dew falling.	
0	C	Cloudless.	
0	C	Cloudless; dew falling	
0	C	" "	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°1 and 83°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	A few ≀ above N hor.; mist around hor.	
0	G	" " "	
0	G	Mist and fog in hor.	
0	C	" "	
0	C	A few ≀ above S hor.; mist in hor.	
0	C	A few ≀ above S and W hor.; mist in hor.	
1	C	≀ scattered about W, N and SE hor.; mist in hor.	
1	B	" " " "	
1	B	≀ scattered above W and N hor.	
3	B	≀ scattered about; mist along the E hor.	
3	B	" " " "	
4	C	" " " "	
4	C	" " " "	
0	C	A few ≀ above W hor.	
0	C	" "	
0	C	A few ≀ above NW and N hor.	
0	C	" " "	
0	C	Cloudless.	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	A few ≀ in E hor.; mist around hor.	
0	G	" " "	
0	G	" " "	
0	C	Mist around hor.	
0	C	" "	
0	C	" "	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 21st-Noon.	30.019	29.382	82°9	71°5	11°4	65°9	0.637	0.58	79°0	77°4	NNE	0.1					
1 p. m.	29.994	.332	83.3	72.3	11.0	67.1	.662	.59	79.5	77.5	N	0.7					
2 „	.978	.275	82.9	73.3	9.6	69.0	.703	.64	79.5	77.7	NNW	0.6					
3 „	.962	.268	82.7	73.0	9.7	68.6	.694	.64	79.5	77.8	„	0.7					
4 „	.958	.256	82.0	73.0	9.0	68.9	.702	.66	79.5	78.0	„	0.8					
5 „	.961	.220	78.8	73.1	5.7	70.6	.741	.79	78.0	78.1	„	0.7					
6 „	.976	.256	77.0	72.0	5.0	69.7	.720	.79	77.5	78.1	„	0.8	None.	None.	None.	None.	None.
7 „	.990	.266	76 6	72.0	4.6	69.9	.724	.80	77.0	78.0	„	1.0					
8 „	30.013	.349	75.6	70.0	5.6	67.2	.664	.77	76.2	78.0	„	0.8					
9 „	.025	.434	75·2	67.7	7.5	63.7	.591	.69	76.2	78.0	N b W	0.6					
10 „	.028	.510	74.0	65.0	9.0	59.7	.518	.63	75.4	78.0	N b E	0.4					
11 „	.010	.444	74.0	66.5	7.5	62.3	.566	.68	75.2	77.9	NNW	0.2					
Dec. 22nd-Midnight	.002	.497	72·4	64.0	8.4	58.9	.505	.64	74.5	77.9	NNE	0.2					
1 a. m.	29.996	.491	71.0	63.5	7.5	58.9	.505	.67	73.6	77.7	„	0.5					
2 „	.989	.529	71.0	62.0	9.0	56.2	.460	.61	73.2	77.6	„	0.1					
3 „	.980	.509	70.0	62.0	8.0	56.8	.471	.65	72.5	77.4	N b E	0.0					
4 „	.978	.429	69.8	64.5	5.3	61.4	.549	.76	72.0	77.3	N	0.0					
5 „	.977	.354	68·9	66.5	2.4	65.3	.623	.89	71.6	77.2	„	0.0					
6 „	.998	.382	68.0	66.0	2.0	64.9	.616	.91	70.5	77.2	„	0.1					
7 „	30.030	.452	67.4	64.6	2.8	63.0	.578	.90	70.0	77.2	N b E	0.1					
8 „	.053	.458	70.5	66.2	4.3	63.9	.595	.81	71.1	77.3	NNE	0.2	None.		None.		
9 „	.064	.557	73.6	64.5	9.1	59.0	.507	.62	73.0	77·3	„	0.5					
10 „	.060	.604	76.8	64.0	12.8	55.9	.456	.50	74.6	77.3	N E b E	0·5					
11 „	.037	.542	79.0	66·0	13.0	58.3	.495	.51	76.0	77.3	NNE	0.3					
Noon.	.005	.456	80.0	68.0	12.0	61.4	.549	.55	76.8	77.4	N	0.5					
1 p. m.	29.969	.460	80.6	67.0	13.6	59·1	.509	.50	77.3	77.4	NW b N	0.6					
2 „	.944	.376	81.8	69.2	12.6	62.5	.568	.54	78.0	77.4	„	0.7					
3 „	.929	.344	81.2	69.5	11.7	63.3	.585	.56	78.0	77.4	NNW	0.7					
4 „	.925	.311	80.2	70.0	10.2	64.8	.614	.61	78.0	77.4	„	0. 7					
5 „	.935	.276	77.4	70.4	7.0	67.0	.659	.71	76.8	77.4	„	0.6					
6 „	.952	.273	75.9	70.5	5.4	67.9	.679	.77	76·0	77·4	„	0.5					
7 „	.964	.307	74.8	69.5	5.3	66.9	.657	.77	75.4	77.4	„	0.4					
8 „	.979	.372	74.7	68.0	6.7	64.5	.607	.72	75.0	77.3	N b W	0.4					
9 „	30.000	.345	74.3	69.3	5.0	66.8	.655	.78	75.0	77.3	„	0.2					
10 „	29.999	.355	72·6	68.4	4·2	66.3	.644	.82	74.8	77.3	„	0.2					
11 „	.980	.371	71.5	67.0	4.5	64.6	.609	.80	74.0	77.2	„	0.1		+	4		1·50
Dec. 23rd-Midnight	.969	.403	70.2	65.2	5.0	62.3	.566	.77	73.3	77.1	N b W	0.1		+	8		0.30
1 a. m.	.966	.412	69.3	64.5	4·8	61.7	.554	.78	72.2	77.0	N	0.1		+	6		1.14
2 „	.956	.390	69.6	65.0	4.6	62.3	.566	.79	72.2	76.9	„	0.0		+	1		Above 10m.
3 „	.950	.453	68.2	62.2	6·0	58.4	.497	.71	71.2	76.8	„	0.1					
4 „	.945	.473	67.2	61.0	6 2	56.9	.472	.71	70.4	76.7	„	0.1					
5 „	.946	.469	67.0	61.0	6·0	57.0	.474	.72	70.1	76.6	NNE	0.2					
6 „	.951	.500	67.8	60.5	7.3	55.5	.451	.67	70·0	76.5	„	0.3					
7 „	.980	.513	68.2	61.2	7.0	56.6	.467	.68	70.5	76.4	NE b E	0.2					
8 „	30.000	.485	71.5	64.0	7.5	59.5	.515	.68	71.4	76.3	„	0.2					
9 „	.024	.496	74.0	65.0	9.0	59.7	.518	.63	73.1	76.4	„	0.3					
10 „	.021	.476	76.2	66.6	9 6	61.2	.545	.61	74.3	76.5	NE	0.3					
11 „	.001	.454	79.2	67.7	11 5	61.3	.547	.56	76.0	76.6	„	0.3					
Noon.	29 973	.382	82.2	70.0	12.2	63.7	.591	.55	77.6	76.7	„	0.2	None.				
1 p. m.	.941	.316	82.3	71.0	11.3	65.4	.625	.58	78.0	76.7	NW b N	0.3					
2 „	.929	.285	82.6	71.6	11.0	66.3	.644	.59	78 5	76.9	„	0.6					
3 „	.902	.227	82.4	72.4	10.0	67.7	.675	.62	78.6	77.0	NNW	0·5					
4 „	.902	.237	82.0	72.0	10.0	67.2	.665	.62	78.6	77.2	„	0.5					
5 „	.908	.273	78.3	70.0	8.3	65.8	.635	.67	77.7	77.3	„	0.6		+	2		Above 10m.
6 „	.922	.250	76.5	70.5	6.0	67.6	.672	.75	77.0	77.4	„	0.7		+	6		2.11
7 „	.945	.281	75.6	70.0	5.6	67.2	.664	.77	76.2	77.4	„	0.6		+	8		1.39
8 „	.962	.329	75.4	69.0	6.4	65·7	.633	.73	76.0	77.3	N b W	0.5		+	10		0.44
9 „	.984	.412	74.1	66.7	7.4	62.7	.572	.69	75.5	77.3	N	0.2		+	10		0.50
10 „	.986	.389	72.6	67·0	5.6	64.0	.597	.76	74.8	77.2	„	0.2		+	Out of Sc.	24	0.31
11 „	.982	.383	71.0	66.5	4.5	64·1	.599	.80	74.0	77.2	„	0.1		+	24	20	0 27

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ⌒ cumuli; ⌒≀ cirro-strati; ⌒⌒ cumulo-strati; and ≀≀ nimbi.	
0	C	A few clouds and mist in E hor.	
1	B	≀≀ above E hor. and ≀ above W hor.; mist in NE hor.	
1	B	" " " "	
1	B	" " " "	
1	B	A few ≀≀ in E hor.; ≀ above N and W hor.; mist along the E hor.	
0	G	A few ≀ in NW and NE hor.; mist along the E hor.	
0	G	A few ≀ in NW and NE hor.	
0	G	" " "	
0	G	" " "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0. The Height of Barometer at 9 A. M. was 30·064 in. greatest in the month. 22nd December was the 28th cloudless day.
0	B	"	
0	B	"	
0	B	"	
0	B	Cloudless; dew falling.	
0	G	" "	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Mist in NE hor.	
0	B	" "	
0	B	Mist in E hor.	
0	B	" "	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	C	"	
0	C	"	
0	C	"	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0. 23rd December was the 29th cloudless day.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist around hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	" "	
0	B	Mist in NE hor.	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	Cloudless; dew falling.	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	Cloudless and dew falling.	

Bombay Civil Time. 1863.	Standard Barometer.		Thermometers.			Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers.		Wind from Osler's Gauge.		Rain.	Electrical Instruments.			
	Corrected to 32° Fahr.	Corrected for Moisture.	In the Air.	Wet Bulb Thermometer.	Depression of Wet Bulb below Thermometer in the Air.				Thermometer 1 inch in the Ground.	Thermometer 6 inches in the Ground.	Direction.	Pressure in lbs. per Square Foot.	By Newman's Gauge.	Sign of Electricity + or −	Readings of Straws of Volta 1.	Readings of Straws of Volta 2.	Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 24th-Midnight	29.963	29.339	70°7	67°2	3°5	65°3	0.624	0·84	73°5	77°2	N	0.1		+	20	16	0.54
1 a. m.	.953	·330	70·3	67.0	3.3	65.3	.623	.85	73.2	77.2	,,	0.1		+	4		2.10
2 ,,	.942	.380	70.0	65.0	5.0	62.1	·562	.77	72.5	77.0	N b E	0.0					
3 ,,	.925	.326	69.5	66.0	3.5	64.1	·599	.84	72.0	76.8	,,	0.1		+	6		
4 ,,	.928	·386	69.0	64.0	5.0	61.0	·542	.77	71.5	76.7	,,	0.2		+	10	8	
5 ,,	.935	·375	68.5	64.4	·4.1	62.0	·560	.81	71.2	76.7	,,	0.0		+	8		Not observed.
6 ,,	.943	·380	68.5	64·5	4.0	62.2	·563	.82	71.2	76.5	,,	0.2		+	20	18	
7 ,,	.974	.384	70.4	66.0	4.4	63.6	·590	.80	71.6	76.4	NE b E	0.5		+	2		
8 ,,	30.004	.434	72.2	66.0	6.2	62.6	·570	.73	72.6	76.4	E b N	0.6		+	2		
9 ,,	.013	·402	74.4	68.0	6.4	64.7	.611	.73	73.0	76.4	,,	0.5		+	4		
10 ,,	.008	.349	77.4	70.4	7.0	67.0	·659	.71	75.2	76.5	,,	0.4		+	2		
11 ,,	29.991	.391	79.3	69.3	10.0	64.1	.600	.61	76·7	76.6	,,	0.3	None.	+	2		
Noon.	.962	.442	82.6	68.0	14.6	59.8	·520	.48	78.8	76.8	,,	0.2					
1 p. m.	·931	·299	85.0	72.0	13.0	65.7	.632	.54	79.7	77.0	NW b W	0.4					
2 ,,	·907	·190	84.0	74.0	10.0	69.6	·717	.63	79.9	77.2	,,	0.5					
3 ,,	.890	·237	84.4	72.4	12.0	66.7	.653	.57	80.2	77.3	,,	0.4					
4 ,,	.888	.160	83·0	74.0	9.0	70.0	·728	.66	80.0	77.4	,,	0.4		+	6		Not obvd.
5 ,,	.898	.165	79.2	73.0	6.2	70.2	·733	.75	79.0	77.5	NW	0.4					
6 ,,	.911	.173	77.0	72.5	4.5	70.5	·738	.81	78.0	77.6	,,	0.6					
7 ,,	·946	.233	76.0	71.5	4.5	69.4	·713	.81	77.5	77.6	,,	0.6					
8 ,,	·975	.338	75.0	69.0	6.0	65.9	·637	.75	76.8	77.6	,,	0.6					
9 ,,	.978	·371	74.7	68.0	6.7	64.5	·607	.72	76.0	77.6	NW b N	0.2		+	4		Not observed.
10 ,,	.985	.369	73.3	67.8	5.5	64.9	·616	.76	75.1	77.5	· N	0.2		+	10		
11 ,,	.967	·394	72.5	66.2	6.3	62.7	·573	.73	74.4	77.5	N b W	0.1		+	2		
Dec. 25th-Midnight	.956	.339	71.1	67.1	4.0	65.0	·617	.82	74.0	77.4	N b W	0.2		+	2		
1 a. m.	.952	.338	71.1	67.0	4.1	64·8	·614	.82	73.6	77.4	,,	0.0					
2 ,,	.940	.357	71.0	66.0	5.0	63.3	·583	.78	73.3	77.3	,,	0.0					
3 ,,	.929	.342	71.2	66.2	5.0	63.4	·587	.78	73·3	77.3	,,	0.1		+	1		Above 10m.
4 ,,	.929	.323	71.8	67·0	4.8	64.4	·606	.79	73.3	77.2	,,	0.2					
5 ,,	.925	.316	71.5	67.0	4.5	64.6	·609	.80	73.0	77.1	NNE	0.1		+	2		4.11
6 ,,	.939	.325	71.1	67.0	4.1	64.8	·614	.82	72.7	76.9	,,	0.1		+	4		2.27
7 ,,	.961	.338	70.8	67.2	3.6	65.3	.623	.84	72.6	76·8	,,	0.2		+	6		2.00
8 ,,	.975	.359	73.3	67.8	5.5	64.9	·616	.76	73.0	76.8	,,	0.2		+	4		3·11
9 ,,	.992	.357	75.5	69.1	6.4	65.9	·635	.73	74.8	76.9	,,	0.2					
10 ,,	.986	.371	77.0	69.0	8.0	64.9	·615	.68	76.0	77.0	,,	0.2					
11 ,,	.968	.388	79.2	68.7	10.5	63.1	·580	.59	77.1	77.1	NE b N	0.2	None.			None.	
Noon.	.945	.339	82.7	70.6	12.1	64.4	·606	.56	78.2	77.2	NE	0.1					
1 p. m.	.914	.279	86.4	72.5	13.9	65.8	·635	.52	80.0	77.4	W	0.3					
2 ,,	.888	.226	85.5	73.0	12.5	67.1	·662	.56	80.5	77.5	WNW	0.5					
3 ,,	.877	.213	83.8	72.5	11.3	67.2	·664	.59	80.3	77.5	,,	0.5					
4 ,,	.874	.220	83.0	72.0	11.0	66.7	·654	.59	80.0	77.7	NW b W	0.4					
5 ,,	.875	.192	80.4	72.0	8.4	68.1	·683	.67	79.2	77.8	,,	0.3		+	2		Above 10m.
6 ,,	.880	.229	77.5	70.2	7.3	66.6	·651	.71	78.7	77.8	NW	0.2		+	6		2.11
7 ,,	.898	.221	76.7	70.7	6.0	67.8	·677	.75	77.4	77.8	NNW	0.3		+	4		3.2
8 ,,	.921	·261	76.0	70.0	6.0	67.0	·660	.75	77.0	77.7	,,	0·2		+	10		1.11
9 ,,	.938	.276	74.3	69.5	4.8	67.1	·662	·79	75.3	77.6	N b W	0.2		+	2		Above 10m.
10 ,,	.942	.294	74.0	69.0	5.0	66.5	·648	.78	75.0	77.6	N ·	0.1		+	2		Above 10m.
11 ,,	.946	.298	74.0	69.0	5.0	66.5	·648	.78	75.0	77.6	,,	0.2		+	6		2.27
Dec. 28th-Midnight	.951	.344	71.7	67.0	4.7	64.5	·607	.79	·74.0	77.7	NW	0.1		+	4		4.15
1 a. m.	.951	.348	72.1	67.0	5.1	64.3	·603	·78	73·6	77.7	,,	0.0					
2 ,,	.941	.337	72.0	67.0	5.0	64.3	·604	.78	73.6	77.7	,,	0.1					
3 ,,	.938	.359	71.9	66.2	5.7	63.0	·579	·75	73.6	77·6	,,	0.1					
4 ,,	.938	.307	72.5	68.0	4.5	65.6	·631	.80	73.8	77.5	NW b W	0·3					
5 ,,	.933	.380	72.3	65.5	6.8	61.6	·553	.71	73.6	77.4	NW	0.2					
6 ,,	.947	.352	70.5	66.2	4.3	63.9	·595	.81	73.0	77.3	,,	0.1	None.			None.	
7 ,,	.970	.375	70.5	66.2	4.3	63·9	·595	.81	72·2	77.2	,,	0.2					
8 ,,	30.007	.424	71.0	66.0	5.0	63.2	·583	.78	72.5	77.0	N	0.2					
9 ,,	.032	.496	73.5	65.4	8.1	60.7	·536	.66	73.4	77.1	NNW	0.1					
10 ,,	.034	.507	76.1	66.0	10.1	60.2	·527	.60	75.0	77.2	N	0.1					
11 ,,	.011	.491	79.6	67.0	12.6	59.8	·520	.53	76.8	77.2	N b E	0.2					

Amount of Clouds 0—8.	Observers.	State of the Weather. Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	Remarks.
0	C	Cloudless and slight dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 81°0 and 83°0. 24th December was the 30th cloudless day.
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	Mist around hor.	
0	B	" "	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	Mist in NE hor.	
0	B	"	
0	G	Mist along the W hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	B	Cloudless.	
0	B	"	
0	G	"	
0	G	"	
0	C	"	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°0.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	A few ≀ scattered in S hor.; mist around hor.	
0	G	≀ in S hor.; mist around hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	A few ≀ in W.	
0	B	Cloudless.	
0	B	"	
0	B	Haze in NE hor.	
0	G	" "	
0	G	Cloudless.	
0	G	"	
0	G	"	
0	G	"	
0	G	"	
0	G	Cloudless and dew falling.	
4	C	≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°0.
4	B	≀ scattered about and dew falling.	
4	B	" "	
2	B	≀ scattered about hor.; dew falling.	
0	B	A few ≀ around hor.; dew falling.	
0	G	" "	
1	G	≀ scattered around hor.; mist in hor.	
1	G	≀ and mist in hor.	
1	G	" "	
0	C	A few ≀ in NE hor.; mist in hor.	
0	C	" "	
0	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straw of Volta 1.	Electrical Instruments. Readings of Straw of Volta 2.	Electrical Instruments. Interval of Time in recovering the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 28th-Noon.	29.987	29.436	80°4	68°2	12°2	61°5	0.551	0.54	77°6	77°3	NNE	0.2					
1 p. m.	.961	.388	82.3	69.5	12.8	62.7	.573	.53	78.3	77.3	NW	0.2					
2 „	.934	.322	83.2	71.0	12.2	64.7	.612	.56	79.4	77.5	„	0.2					
3 „	.922	.244	82.5	72.5	10.0	67.8	.678	.63	79.2	77.6	NW b N	0.4					
4 „	.917	.256	80.8	71.5	9.3	67.1	.661	.64	79.0	77.6	NNW	0.6					
5 „	.918	.242	78.1	71.1	7.0	67.8	.676	.72	78.2	77.7	„	0.6	None.	None.	None.	None.	None.
6 „	.926	.231	76.0	71.0	5.0	68.6	.695	.79	76.6	77.7	„	0.7					
7 „	.943	.264	75.9	70.5	5.4	67.9	.679	.77	76.0	77.7	„	0.6					
8 „	.960	.292	75.3	70.0	5.3	67.4	.668	.77	75.8	77.6	„	0.7					
9 „	.980	.363	74.4	68.2	6.2	65.0	.617	.74	75.6	77.6	„	0.7					
10 „	.982	.416	72.5	66.0	6.5	62.3	.566	.72	74.7	77.5	N	0.5					
11 „	.980	.464	71.4	64.0	7.4	59.6	.516	.68	74.1	77.4	„	0.4					
Dec. 29th-Midnight	.970	.482	71.2	63.0	8.2	57.9	.488	.65	73.2	77.4	N	0.3					
1 a. m.	.955	.457	70.3	63.0	7.3	58.5	.498	.68	72.5	77.3	„	0.1					
2 „	.944	.468	69.5	62.0	7.5	57.2	.476	.67	72.1	77.2	„	0.1					
3 „	.942	.464	68.4	62.0	6.4	57.3	.478	.71	71.3	77.1	„	0.0					
4 „	.933	.468	67.8	61.0	6.8	56.5	.465	.69	71.0	77.0	N b E	0.0					
5 „	.929	.490	67.5	60.0	7.5	54.7	.439	.66	70.6	76.9	„	0.2					
6 „	.948	.497	67.8	60.5	7.3	55.5	.451	.67	71.0	76.8	NE b N	0.2					
7 „	.973	.522	67.8	60.5	7.3	55.5	.451	.67	71.0	76.6	„	0.1					
8 „	.998	.482	71.4	64.0	7.4	59.6	.516	.68	71.4	76.4	„	0.2					
9 „	30.016	.526	73.7	64.0	9.7	58.0	.490	.60	72.7	76.4	„	0.1					
10 „	.019	.495	76.4	66.0	10.4	60.0	.524	.58	74.8	76.5	NE b E	0.1	None.	None.	None.	None.	None.
11 „	.005	.487	77.2	66.1	11.1	59.7	.518	.56	75.4	76.6	„	0.1					
Noon.	29.974	.446	79.5	67.2	12.3	60.3	.528	.54	76.3	76.7	ENE	0.2					
1 p. m.	.940	.388	81.2	68.5	12.7	61.6	.552	.53	77.1	76.7	NW b W	0.3					
2 „	.915	.317	81.5	70.0	11.5	64.0	.598	.57	78.0	76.8	NW	0.5					
3 „	.904	.306	81.5	70.0	11.5	64.0	.598	.57	78.2	77.0	„	0.6					
4 „	.904	.290	80.2	70.0	10.2	64.8	.614	.61	78.0	77.1	NW b N	0.6					
5 „	.917	.231	76.8	71.0	5.8	68.2	.686	.76	77.0	77.2	NNW	0.5					
6 „	.927	.248	75.9	70.5	5.4	67.9	.679	.77	76.5	77.2	N b W	0.4					
7 „	.944	.327	74.4	68.2	6.2	65.0	.617	.74	76.2	77.2	„	0.2					
8 „	.961	.346	74.0	68.0	6.0	64.9	.615	.74	75.3	77.1	NNW	0.4					
9 „	.979	.397	73.4	66.8	6.6	63.2	.582	.72	75.0	77.0	N b W	0.5					
10 „	.977	.434	70.6	64.6	6.0	61.1	.543	.73	73.5	77.0	NNE	0.3					
11 „	.967	.460	70.3	63.5	6.8	59.0	.507	.70	72.7	76.9	N	0.2					
Dec. 30th-Midnight	.958	.462	68.6	62.3	6.3	58.6	.496	.71	72.0	76.8	N b E	0.1					
1 a. m.	.956	.554	68.3	59.0	9.3	52.2	.402	.58	71.3	76.8	„	0.0					
2 „	.939	.504	66.6	59.5	7.1	54.5	.435	.67	70.3	76.6	„	0.0					
3 „	.923	.478	67.0	60.0	7.0	55.2	.445	.68	70.3	76.5	„	0.0					
4 „	.922	.459	68.0	61.0	7.0	56.3	.463	.68	70.5	76.4	„	0.1					
5 „	.929	.457	67.2	61.0	6.2	56.9	.472	.71	70.5	76.2	NNE	0.1					
6 „	.931	.459	67.2	61.0	6.2	56.9	.472	.71	70.0	76.0	„	0.2					
7 „	.949	.498	67.8	60.5	7.3	55.5	.451	.67	70.2	75.9	„	0.2		+	2		Above 10m.
8 „	.975	.432	69.5	64.2	5.3	61.1	.543	.76	70.4	75.8	„	0.1		+	6		2·17
9 „	.993	.418	72.3	66.2	6.1	62.8	.575	.73	72.0	75.8	NE	0.1		+	8		1.39
10 „	.991	.432	73.2	66.0	7.2	62.0	.559	.69	72.8	75.9	ENE	0.2		+	2		2.40
11 „	.975	.407	75.8	67.2	8.6	62.5	.568	.65	74.0	75.9	„	0.1		+	2		4.15
Noon.	.942	.389	77.6	67.3	10.3	61.6	.553	.60	75.1	76.0	NNW	0.3	None.	+	2		Above. 10m.
1 p. m.	.910	.335	79.0	68.5	10.5	62.9	.576	.59	76.0	76.2	NW	0.5		+	1		
2 „	.893	.270	79.4	70.0	9.4	65.3	.623	.63	76.5	76.3	NW b W	0.5					
3 „	.876	.220	79.5	71.0	8.5	66.8	.656	.67	77.0	76.4	„	0.6					
4 „	.880	.253	79.0	70.0	9.0	65.4	.627	.65	77.0	76.5	NW	0.6					
5 „	.891	.230	76.6	70.2	6.4	67.1	.661	.74	76.1	76.6	NW b N	0.4					
6 „	.899	.242	74.8	69.5	5.3	66.9	.657	.77	75.0	76.6	„	0.2					
7 „	.916	.290	73.0	68.0	5.0	65.4	.626	.78	74.4	76.5	„	0.1		+	2		Above 10m.
8 „	.933	.289	72.6	68.4	4.2	66.3	.644	.82	74.0	76.5	„	0.2		+	4		2.11
9 „	.946	.307	71.8	68.0	3.8	66.0	.639	.83	73.8	76.4	NNW	0.2		+	18	14	0.42
10 „	.947	.310	70.5	67.5	3.0	65.9	.637	.86	73.5	76.4	„	0.1		+	20	16	0.31
11 „	.936	.331	69.3	66.1	3.2	64.4	.605	.85	72.5	76.3	„	0.2		+	24	20	0.26

Amount of Clouds 0—8.	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀ cirro-cumuli; ≀ cumuli; ≀ cirro-strati; ≀ cumulo-strati; and ≀ nimbi.	
0	C	Mist around hor.	
0	B	A few ≀ above E hor.	
0	B	Cloudless.	
0	B	"	
0	B	A few ≀ and haze in E hor.	
0	G	" "	
0	G	" "	
0	G	A few ≀ scattered here and there.	
0	G	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	Cloudless.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°0.
0	B	"	
0	B	"	
0	B	"	
0	B	"	29th December was the 24th day on which the sky remained almost cloudless.
0	G	"	
0	G	Mist around hor.	
0	G	" "	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Cloudless.	
0	B	Mist in NE hor.	
0	B	Mist along the E hor.	
0	B	" "	
0	G	A few ≀ above SW and NW hor.	
0	G	A few ≀ here and there scattered.	
0	G	Cloudless.	
0	G	"	
0	C	A few ≀ above W hor.	
0	C	A few ≀ above NE and S hor.	
0	C	" "	
3	C	Dense ≀ scattered about.	Mean daily temperature of ground 20 and 60 inches below its surface 80°8 and 83°0.
0	B	A few ≀ above E hor.	
0	B	Cloudless.	
1	B	≀ scattered along the N hor.	
0	B	A few ≀ above N hor.	
1	G	≀ scattered along W and NW hor.	
1	G	" "	
0	G	A few ≀ above W hor.; mist in hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Mist along the E hor.	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	A few ≀ in NW hor.; mist along the E hor.	
0	G	A few ≀ in NW hor.	
0	G	" "	
0	G	A few ≀ in NW hor.; dew falling.	
0	C	"	
0	C	Cloudless and dew falling.	
0	C	" "	

Bombay Civil Time. 1863.	Standard Barometer. Corrected to 32° Fahr.	Standard Barometer. Corrected for Moisture.	Thermometers. In the Air.	Thermometers. Wet Bulb Thermometer.	Thermometers. Depression of Wet Bulb below Thermometer in the Air.	Deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Ground Thermometers. Thermometer 1 inch in the Ground.	Ground Thermometers. Thermometer 6 inches in the Ground.	Wind from Osler's Gauge. Direction.	Wind from Osler's Gauge. Pressure in lbs. per Square Foot.	Rain. By Newman's Gauge.	Electrical Instruments. Sign of Electricity + or −	Electrical Instruments. Readings of Straws of Volta 1.	Electrical Instruments. Readings of Straws of Volta 2.	Electrical Instruments. Interval of Time in seconds for the same degree of tension after discharge.
	in.	in.										lbs.	in.		Sc. div.	Sc. div.	m. s.
Dec. 31st Midnight	29.928	29.335	68°7	65°5	3°2	63°8	0.593	0.85	71°5	76°2	N b W	0.2		+	20	20	0·27
1 a. m.	.923	.419	67.0	62.0	5.0	58.9	.504	.77	70.5	76.1	„	0.0		+	12	10	0.54
2 „	.909	.365	67.5	63.5	4.0	61.2	.544	.81	70.5	76.0	„	0.0		+	14	12	0.20
3 „	.901	.354	68.5	64.0	4.5	61.3	.547	.79	70.6	75.9	NE b N	0.0		+	12	10	0.40
4 „	.901	.364	67.6	63.3	4.3	60.8	.537	.79	70.3	75.9	„	0.0		+	4		1·30
5 „	.908	.378	67.4	63.0	4.4	60.4	.530	.79	70.0	75.7	„	0.2		+	12	10	0.39
6 „	.915	.381	67.0	63·0	4.0	60.6	.534	.81	69.2	75.7	„	0.3		+	20	20	0·10
7 „	.941	.385	65.6	63.2	2.4	61.8	.556	.88	68.4	75.6	NNE	0.2		+	6		2.14
8 „	.961	.418	69.5	64.2	5.3	61.1	.543	.76	68.7	75.4	„	0.2		+	2		Above 10m.
9 „	.984	.419	72.1	65.8	6.3	62.3	·565	.73	71.2	75.4	NE b N	0.2		+	10		2.10
10 „	.982	.476	74.0	64.6	9.4	59·0	.506	.61	73·0	75.5	N	0.1		+	4		5·6
11 „	.957	.479	76.8	64.7	12.1	57.3	.478	·53	74.2	75.6	N b W	0.3		+	2		Above 10m.
Noon.	.931	.422	78.6	66.3	12.3	59.2	.509	.53	75.3	75.8	NW b N	0.4	None.			Off.	
1 p. m.	.897	.359	79.5	67.5	12.0	60.8	.538	.55	76.0	75.8	NNW	0.3					
2 „	.876	.320	80.6	68.4	12.2	61.8	.556	.55	77.0	75.9	„	0.5					
3 „	.865	.320	80.4	68.0	12.4	61.2	.545	.53	77.0	76.0	„	0.6					
4 „	.862	.278	79.8	69.0	10.8	63.3	.584	.59	77.0	76.2	„	0.7					
5 „	.871	.344	76.9	66.3	10.6	60.2	.527	.58	76.1	76.2	„	0.7					
6 „	.890	.390	74.8	64.7	10.1	58.6	.500	.59	75.3	76.3	„	0.9					
7 „	.913	.424	74.1	64.1	10.0	58.0	.489	.59	75.0	76.3	„	1.0					
8 „	.923	.429	73.6	64.1	9.5	58.3	.494	.61	74.7	76.2	„	1.0					
9 „	.934	.436	73.0	64.0	9.0	58.5	.498	.62	74.0	76·1	N	0.7		+	2		4.10
10 „	.936	.466	70.1	62.0	8.1	58.8	.470	.65	72.7	76.0	N b E	0.5		+	2		Above 10m.
11 „	.926	.523	68.7	59·2	9.5	52.2	.403	.58	71.5	75.9	NNE	0.3					

Amount of Clouds. 0—8	Observers.	State of the Weather.	Remarks.
		Note.—In recording these Observations, the Symbols used to denote the clouds are: ≀ cirri; ≀≀ cirro-cumuli; ∩ cumuli; ∪ cirro-strati; ∩∪ cumulo-strati; and ≀∩ nimbi.	
0	C	Cloudless; dew falling.	Mean daily temperature of ground 20 and 60 inches below its surface 80°5 and 82°9. At 7 A. M. the reading of Air Thermometer was 65°6 lowest in the month. 31st December was the 31st or the last cloudless day.
0	B	" "	
0	B	" "	
0	B	" "	
0	B	" "	
0	G	" "	
0	G	" "	
0	G	Mist around hor.	
0	G	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	C	" "	
0	B	Cloudless.	
0	B	"	
0	B	"	
0	B	Mist along the E hor.	
0	C	" "	
0	C	Cloudless.	
0	C	"	
0	C	"	
0	C	"	
0	C	"	
0	C	"	

BOMBAY MAGNETICAL OBSERVATORY.

EXTRAORDINARY ELECTROMETER OBSERVATIONS.

1863.

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Date.	Bombay Mean Solar Time, or Limits of Time, 1863.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
24th April.	From 4h 11m A.M. to 4h 16m A.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	4.11	0·05	1 in 2	
		,,	,,	,,	4	,,	.12	·06	1 in 1	
		,,	,,	,,	4	,,	.13	.06	2 in 3	
		,,	,,	,,	5	,,	.14	.07	2 in 1	4·14
		,,	,,	,,	3	,,	.16	.05	1 in 1	
4th June.	From 11h 28m P.M. to 11h 37m P.M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	11.28	0.15	2 in 1	
		,,	,,	,,	14	,,	.29	.16	,,	11.29
		,,	,,	,,	3	,,	.30	.05	1 in 3	
		,,	,,	,,	8	,,	·31	.10	1 in 1	
		,,	,,	,,	4	,,	.32	.06	1 in 2	
		,,	,,	,,	3	,,	.34	.05	2 in 3	
		,,	,,	,,	2	,,	.35	.03	1 in 1	
		,,	,,	,,	2	,,	.36	.03	1 in 2	
		,,	4	4	0	0.10	.37			
6th June.	From 7h 39m P.M. to 7h 58m P.M.	Neg.	Out of Scale.	Out of Scale.	10	Inst.	7.39	0.13	1 in 1	7.39
		,,	,,	,,	6	,,	.40	.07	,,	
		,,	,,	,,	7	,,	.44	.09	A Spark.	
		,,	,,	,,	5	,,	.47	.06	,,	
		,,	,,	,,	4	,,	·50	.06	,,	
		,,	,,	,,	3	,,	.53	.05	1 in 2	
		,,	,,	,,	3	,,	.55	.05	1 in 3	
		,,	,,	,,	2	,,	.58	.04	1 in 3	
	From 8h 10m P.M. to 8h 39m P.M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	8.10	0.03	1 in 3	
		,,	,,	,,	2	,,	.12	.03	1 in 1	
		,,	,,	,,	6	,,	.17	.08	2 in 1	8.17
		,,	,,	,,	5	,,	.29	.07	1 in 3	
		,,	,,	,,	5	,,	.31	·07	1 in 2	
		,,	,,	,,	4	,,	.35	.06	2 in 3	
		,,	,,	,,	3	,,	·37	.04	1 in 5	
		,,	40	40		0.5	.39			
14th Oct.	At 4h 40m P.M.	Neg.	12			0.3	4.40			
	At 4h 50m P.M.	,,	20	20		0.2	.50			
	At 5h 0m P.M.	,,	15	15		0.2	5.00			
	From 5h 10m P.M. to 6h 28m P.M.	Neg.	Out of Scale.	70 & 50		Inst.	.10	Slight.	Slight Sparks.	
		,,	,,	70		0.01	.15	,,	,,	
		,,	,,	70		0.01	.20	,,	,,	
		,,	,,	70		0·01	.30	,,	,,	
		,,	,,	50		0.01	.40	,,	,,	
		,,	,,	100		Inst.	.46	0.01	Slight Sparks.	
		,,	,,	Out of Scale.	7	,,	.50	.05	1 in 2	
		,,	,,	,,	9	,,	.52	·05	,,	
		,,	,,	,,	10	,,	.53	.06	1 in 1	
		,,	,,	,,	10	,,	.54	.06	,,	
		,,	,,	,,	10	,,	.57	.07	,,	
		,,	,,	,,	11	,,	6.00	.08	,,	
		,,	,,	,,	8	,,	.01	.07	2 in 3	
		,,	,,	,,	6	,,	.02	.06	,,	
		,,	,,	,,	6	,,	·03	.07	1 in 1	
		,,	,,	,,	7	,,	.04	.08	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
29.720	79.4	SW b W	1.5	8	Overcast with ∿ moving to NE; gusts of wind accompanied with light rain.
		,,	1.5	,,	
		WSW	,,	,,	
		,,	,,	,,	
		,,	1.0	,,	
			lbs.		
		W	0.1	8	Overcast raining; lightning accompanied with thunder in N; thunder about zenith.
		,,	,,	,,	
29.692	85.2	,,	,,	,,	
		,,	,,	,,	Rain moderated; lightning in N.
		,,	,,	,,	
		Calm.	0.0	,,	Rain ceased.
		,,	,,	,,	
		,,	,,	,,	Passing shower of rain; lightning in N and NE.
		,,	,,	,,	
.627	82.4	NNW	0.3	8	
		,,	,,	,,	
		N b W	,,	,,	
		,,	,,	,,	Overcast with ∿ moving SE; drops of rain falling; lightning and thunder in SW and W.
		NW	,,	,,	
		,,	,,	,,	
		W b N	,,	,,	
		,,	,,	,,	
.638	81.5	NW	0.2	8	
		,,	,,	,,	
		,,	,,	,,	
		NW b W	,,	,,	Overcast with ∿ moving to SE; drops of rain falling.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
.645	81.4	,,	,,	,,	
29.730	89.4	NW b N	0.5	6	∿ in E hem.; ∿ along the E hor.; ∿ scattered here and there.
		,,	,,	,,	
.747	85.4	NW	,,	7	
		NW	0.5	7	∿ along the E hor.; ∿ and ∿ in E hem.; haze ∿.
		NW b N	,,	,,	
		,,	,,	,,	∿, ∿, ∿ along the E hor.; scud and ∿ in E hem. moving W.
		,,	,,	,,	Electrical ∿ along the E hor.; otherwise clouded as before.
		,,	,,	,,	∿ scattered about moving W; ∿ along the E hor.
		,,	,,	,,	∿, ∿, ∿ motion W.; ugly appearance in NE.
		,,	,,	,,	Continuous lightning in NE.
		NNW	0.6	,,	Lightning in NE and E.; ∿ moving E.
.768	84.3	,,	,,	,,	Thunder and lightning in E.
		,,	,,	,,	
		,,	,,	,,	Sheet lightning in NE.
		,,	,,	,,	
		,,	0.2	,,	
		N b W	,,	,,	Overcast with ∿ moving W; lightning in NE, E and SE; sea birds flying landward; hazy matter wafting westward.
		,,	,,	,,	
		,,	,,	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Date.	Bombay Mean Solar Time, or Limits of Time, 1863.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
14th Oct.	From 5h 10m P.M. to 6h 28m P.M.	Neg.	Out of Scale.	Out of Scale.	7	Inst.	6.05	0.08	1 in 1	
		,,	,,	,,	7	,,	.06	.08	,,	
		,,	,,	,,	8	,,	.08	.09	3 in 2	
		,,	,,	,,	7	,,	.10	.09	,,	
		,,	,,	,,	8	,,	.12	.09	1 in 1	
		,,	,,	,,	10	,,	.14	.11	,,	
		,,	,,	,,	12	,,	.17	.12	2 in 1	
		,,	,,	,,	12	,,	.19	.12	,,	6.19
		,,	,,	,,	10	,,	.20	.12	3 in 1	
		,,	,,	,,	10	,,	.22	.12	,,	
		,,	,,	,,	10	,,	.24	.12	1 in 1	
		,,	,,	,,	4	,,	.26	.05	,,	
		,,	5		0	,,	.28			
	From 6h 29m P.M. to 6h 49m P.M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	6.29	0.03	1 in 1	
		,,	,,	,,	2	,,	.30	.04	,,	
		,,	,,	,,	3	,,	.31	.04	,,	
		,,	,,	,,	3	,,	.33	.04	,,	
		,,	,,	,,	3	,,	.34	.04	,,	
		,,	,,	,,	3	,,	.36	.04	2 in 1	
		,,	,,	,,	4	,,	.37	.05	3 in 1	
		,,	,,	,,	8	,,	.38	.10	2 in 1	
		,,	,,	,,	6	,,	.39	.09	,,	
		,,	,,	,,	10	,,	.41	.12	1 in 1	
		,,	,,	,,	10	,,	.42	.12	2 in 1	6.42
		,,	,,	,,	10	,,	.43	.12	3 in 2	
		,,	,,	,,	8	,,	.44	.10	2 in 1	
		,,	,,	,,	8	,,	.45	.10	,,	
		,,	,,	,,	8	,,	.47	.10	3 in 1	
		,,	,,	,,	10	,,	.48	.12	,,	
		,,	,,	,,	2	,,	.49	.03	A Spark.	
	From 6h 50m P.M. to 7h 53m P.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	6.50	0.04	A Spark.	
		,,	,,	,,	2	,,	.51	.02	,,	
		,,	,,	,,	6	,,	.52	.07	4 in 1	
		,,	,,	,,	3	,,	.53	.04	1 in 1	
		,,	,,	,,	2	,,	.54	.03	,,	
		,,	,,	,,	2	,,	.55	.03	,,	
		,,	,,	,,	4	,,	.56	.05	3 in 1	
		,,	,,	,,	3	,,	.57	.05	,,	
		,,	,,	,,	3	,,	.58	.05	1 in 1	
		,,	,,	,,	2	,,	7.01	.04	,,	
		,,	,,	,,	2	,,	.02	.03	,,	
		,,	,,	,,	3	,,	.03	.04	Many.	
		,,	,,	,,	3	,,	.04	.04	1 in 1	
		,,	,,	,,	3	,,	.06	.04	,,	
		,,	,,	,,	4	,,	.07	.05	Many.	
		,,	,,	,,	4	,,	.07	.06	2 in 1	
		,,	,,	,,	2	,,	.08	.03	A Spark.	
		,,	,,	,,	2	,,	.09	.02	,,	
		,,	,,	,,	2	,,	.10	.03	2 in 1	
		,,	,,	,,	3	,,	.13	.04	,,	
		,,	,,	,,	6	,,	.14	.08	3 in 1	
		,,	,,	,,	3	,,	.15	.05	1 in 1	
		,,	,,	,,	6	,,	.16	.07	3 in 1	7.16

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		N b W	0.2		Overcast with ∿ moving W; lightning in NE, E and SE; sea birds flying landward; hazy matter wafting westward.
		NNE	0.5		
		,,	0.7		
		NE	1.0	8	Drops of rain commenced to fall down.
.810	83.8	ENE	1.5	,,	
		,,	,,	,,	
		E	1.7	,,	
		,,	2.0	,,	Overcast with one uniform sheet of heavy clouds. Sheet lightning continuously seen along the E hor. Ugly and threatening appearance in E.
		ESE	2.5	,,	
		,,	3.0	,,	
		,,	3.5	,,	
		E b S	4.5	,,	
		,,	4.0	,,	
		E b S	1.2	8	
		E	,,	,,	
		,,	,,	,,	
		,,	1.0	,,	Overcast with a uniform sheet of clouds whose motion was not apparent, the storm approaching near the Bombay Island. Lightning and thunder continually heard about E of zenith, slight drops of rain falling.
29.839	83.0	,,	,,	,,	
		ENE	0.5	,,	
		,,	,,	,,	
		,,	0.1	,,	
		NE	0.0	,,	
		NE b E	0.5	,,	
		,,	1.5	,,	
		NNE	,,	,,	
		,,	,,	,,	
		N b E	1.7	,,	Overcast with heavy ∿ whose motion was not apparent; flashes of lightning and rolls of thunder continuously seen and heard about the zenith; big drops of rain falling from the lower stratum of heavy clouds.
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N	2.0	8	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		NE	2.3	,,	
		,,	,,	,,	
		,,	,,	,,	
		N b E	,,	,,	Overcast with one sheet of dark heavy clouds whose motion was not apparent. Vivid flashes of lightning were seen in N and about zenith; loud rolls of thunder heard in N and NNW of zenith. Rain falling in large big drops; strength of wind moderated.
		,,	1.5	,,	
		N	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
.815	76.6	,,	,,	,,	
		N b E	0.5	,,	
		,,	,,	,,	
		,,	,,	,,	Overcast with ∿ whose motion was not apparent. Vivid lightning in N and NNW, with rolling thunder generally heard about zenith; rain falling lightly.
		NNE	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		,,	,,	,,	
		N	0.2	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Date.	Bombay Mean Solar Time, or Limits of Time, 1863.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	o	M. S.	H. M.	In.	Sp. Sec.	H. M.
14th Oct.	From 6h 50m P.M. to 7h 53m P.M.	Neg.	Out of Scale.	Out of Scale.	5	Inst.	7.17	0.07	Many.	
		,,	,,	,,	4	,,	.18	.05	A Spark.	
		,,	,,	,,	3	,,	.20	.05	,,	
		,,	,,	,,	2	,,	.22	.03	,,	
		,,	,,	,,	2	,,	.24	.03	2 in 1	
		,,	,,	,,	3	,,	.26	.05	Many.	
		,,	,,	,,	3	,,	.28	.05	1 in 1	
		,,	,,	,,	2	,,	.29	.04	,,	
		,,	,,	,,	2	,,	.31	.04	2 in 1	
		,,	,,	,,	2	,,	.32	.05	,,	
		,,	,,	,,	2	,,	.33	.04	1 in 1	
		,,	,,	,,	2	,,	.34	.04	,,	
		,,	,,	,,	2	,,	.36	.03	,,	
		,,	,,	,,	2	,,	.37	.03	,,	
		,,	,,	,,	2	,,	.38	.03	,,	
		,,	,,	,,	2	,,	.40	.03	,,	
		,,	,,	,,	2	,,	.42	.03	,,	
		,,	,,	,,	6	,,	.43	.03	3 in 2	
		,,	,,	,,	2	,,	.45	.03	1 in 1	
		,,	,,	,,	2	,,	.47	.03	,,	
		,,	,,	,,	2	,,	.48	.03	,,	
		,,	,,	,,	2	,,	.49	.03	,,	
		,,	,,	,,	2	,,	.50	.03	,,	
		,,	,,	,,	2	,,	.53	.03	,,	
	From 7h 55m P.M. to 9h 13m P.M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	7.55	0.03	1 in 1	
		,,	,,	,,	2	,,	.57	.03	,,	
		,,	,,	,,	2	,,	.58	.03	,,	
		,,	,,	,,	2	,,	.59	.03	2 in 3	
		,,	,,	,,	2	,,	8.00	.03	,,	
		,,	,,	,,	3	,,	.02	.04	,,	
		,,	,,	,,	3	,,	.03	.04	,,	
		,,	,,	,,	3	,,	.04	.04	,,	
		,,	,,	,,	3	,,	.05	.04	2 in 1	
		,,	,,	,,	6	,,	.07	.07	2 in 3	
		,,	,,	,,	8	,,	.10	.09	1 in 1	
		,,	,,	,,	5	,,	.12	.07	2 in 3	
		,,	,,	,,	6	,,	.14	.08	1 in 1	
		,,	,,	,,	7	,,	.15	.10	2 in 1	
		,,	,,	,,	8	,,	.16	.11	,,	
		,,	,,	,,	6	,,	.18	.08	1 in 1	
		,,	,,	,,	3	,,	.20	.03	A Spark.	
		,,	,,	,,	6	,,	.22	.08	1 in 1	
		,,	,,	,,	7	,,	.25	.09	3 in 4	
		,,	,,	,,	3	,,	.26	.04	1 in 1	
		,,	,,	,,	3	,,	.28	.03	,,	
		,,	,,	,,	4	,,	.30	.05	2 in 1	
		,,	,,	,,	5	,,	.32	.06	1 in 1	
		,,	,,	,,	10	,,	.33	.11	Volley.	
		,,	,,	,,	6	,,	.35	.07	2 in 3	
		,,	,,	,,	10	,,	.37	.11	1 in 1	
		,,	,,	,,	9	,,	.39	.14	2 in 3	
		,,	,,	,,	10	,,	.40	.13	1 in 1	
		,,	,,	,,	10	,,	.41	.14	,,	
		,,	,,	,,	12	,,	.42	.15	2 in 1	
		,,	,,	,,	12	,,	.44	.15	1 in 1	
		,,	,,	,,	13	,,	.46	.17	,,	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		Calm.	0.0	8	
		"	"	"	
		"	"	"	
		"	"	"	
		N b W	0.1	"	
		"	"	"	
		"	"	"	
		NNW	"	"	
.825	76.8	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with heavy ∿ı; raining lightly; vivid flashes of lightning, and accompanied or followed with peals of thunder heard about zenith.
		"	"	"	
		"	0.3	"	
		N b W	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		NNW	"	"	
		"	"	"	
		N b W	"	"	
		"	"	"	
		N	0.1	8	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.832	77.0	"	"	"	
		"	"	"	
		"	"	"	
		Calm.	0.0	"	
		"	"	"	
		"	"	"	
		NNE	0.1	"	
		"	"	"	Overcast with ∿ı; rain falling very lightly. The wind has begun to blow in light breezes from NE; flashes of lightning seen along the E hor.; thunder rolling towards NW.
		"	"	"	
		"	"	"	
		NE	"	"	
		"	0.2	"	
		"	"	"	
		"	"	"	
		"	"	"	
		NE b E	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		E	0.1	"	
		"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Date.	Bombay Mean Solar Time, or Limits of Time, 1863.	Reading of Electrometers. Sign of Electricity by Gold L. El.	Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of Maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
14th Oct.	From 7h 55m P.M. to 9h 13m P.M.	Neg.	Out of Scale.	Out of Scale.	13	Inst.	8.48	0·17	1 in 1	
		,,	,,	,,	13	,,	.50	·16	3 in 2	
		,,	,,	,,	14	,,	.51	.18	1 in 1	
		,,	,,	,,	16	,,	.53	.20	3 in 1	
		,,	,,	,,	17	,,	.54	.25	4 in 1	8·54
		,,	,,	,,	12	,,	.55	.15	1 in 1	
		,,	,,	,,	12	,,	.57	.14	1 in 1	
		,,	,,	,,	10	,,	.59	.13	3 in 1	
		,,	,,	,,	10	,,	9·01	.13	2 in 1	
		,,	,,	,,	5	,,	.03	.07	1 in 1	
		,,	,,	,,	3	,,	.05	.05	,,	
		,,	,,	,,	3	,,	.07	.05	,,	
		,,	,,	,,	6	,,	.09	.09	2 in 3	
		,,	,,	,,	3	,,	.11	.05	1 in 1	
		,,	,,	,,	2	,,	·12	.04	A Spark.	
		,,	26	26		0.3	.13			
	From 9h 18m P.M. to 9h 40m P.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	9.18	0.05	3 in 2	
		,,	,,	,,	3	,,	.19	.05	1 in 2	
		,,	,,	,,	3	,,	.20	.05	,,	
		,,	,,	,,	3	,,	.21	.05	1 in 1	
		,,	,,	,,	3	,,	.24	.06	3 in 2	
		,,	,,	,,	10	,,	.25	.14	1 in 1	
		,,	,,	,,	12	,,	.26	.15	2 in 1	
		,,	,,	,,	13	,,	.27	.16	3 in 1	9.27
		,,	,,	,,	12	,,	.28	.15	1 in 1	
		,,	,,	,,	4	,,	.29	.07	,,	
		,,	,,	,,	3	,,	.31	.05	,,	
		,,	,,	,,	3	,,	.33	.05	,,	
		,,	,,	,,	4	,,	·36	.06	,,	
		,,	,,	,,	4	,,	.37	.07	,,	
		,,	,,	,,	4	,,	.38	.06	,,	
		,,	,,	,,	3	,,	.39	.05	2 in 3	
		,,	10			0.8	.40			
15th Oct.	From 2h 20m A.M. to 2h 30m A.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	2.20	0.04	1 in 1	
		,,	,,	,,	3		.23	.05	1 in 1	
		,,	,,	,,	5		.25	·07	2 in 1	2.25
		,,	,,	,,	4		.26	.05	1 in 2	
		,,	,,	,,	4		.27	.05	1 in 3	
		,,	,,	,,	2		.29	.03	A Spark.	
		,,	20	20		0.6	.30			
21st Oct.	From 5h 11m P.M. to 5h 15m P.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	5.11	0.06	1 in 1	
		,,	,,	,,	4	,,	.12	.07	2 in 1	
		,,	,,	,,	5	,,	.13	.08	3 in 1	
		,,	,,	,,	6	,,	.14	.09	,,	5.14
							.15			
	From 5h 16m P.M. to 5h 24m P.M.	Neg.	Out of Scale.	Out of Scale.	2	Inst.	5.16	0.04	A Spark.	
		,,	,,	,,	2	,,	.17	.04	1 in 1	
		,,	,,	,,	4	,,	.18			
		,,	,,	,,	2	,,	.19	.04	1 in 1	
		,,	,,	,,	8	,,	.20			
		,,	,,	,,	5	,,	·21	.07	3 in 1	
		,,	,,	,,	6	,,	.22	.09	4 in 1	
		,,	,,	,,	8	,,	.23	·10	Many.	5.23
		,,	,,	,,	5	,,	.24	.07	3 in 1	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
			lbs.		
		ESE	0.1	8	Overcast with ∿ moving W; lightning in SE and S at intervals of about 29s. Raining lightly, the storm passing away.
		"	"	"	
		"	"	"	
		"	"	"	
		SE	0.2	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.829	77.0	"	"	"	
		"	0.1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		SE	0.1	8	Overcast with ∿ moving WSW; lightning in S at intervals of about 1¾m.
		"	"	"	
		Calm.	0.0	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		SE b E	0.1	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Storm passed off towards the S.
29.826	78.0	S b W	0.3	8	Overcast with ∿ moving SE; lightning and thunder in S; no rain. This is supposed to be the recurring of the former storm.
		"	"	"	
		S	"	"	
		"	"	"	
		"	"	"	
		S b E	"	"	
		"	"	"	
29.776	78.5	SE	0.8	8	Uniformly overcast with dense masses of ∿ whose motion was westward; it was raining at this time. Flashes of lightning accompanied with thunder were noticed in the E of zenith.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.5	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	0.3	"	
.777	78.5	"	"	"	
		"	"	"	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Date.	Bombay Mean Solar Time, or Limits of Time, 1863.	Sign of Electricity by Gold L. El.	Reading of Electrometers. Volta (1).	Volta (2).	Henly.	Time of Recovery after Discharge.	Ronald's Spark Measure. Time of Observation or Occurrence of Spark.	Length of Spark.	Corresponding frequency.	Time of maximum Tension.
			Scale.	Scale.	°	M. S.	H. M.	In.	Sp. Sec.	H. M.
21st Oct.	From 5h 25m P.M. to 5h 46m P.M.	Neg.	Out of Scale.	Out of Scale.	4	Inst.	5.25	0.06	1 in 1	
		"	"	"	2	"	.26	.04	"	
		"	"	"	3	"	.27	.05	3 in 2	
		"	"	"	6	"	.28	.09	3 in 1	5.28
		"	"	"	6	"	.29			
		"	"	"	3	"	.30	.05	1 in 1	
		"	"	"	4	"	.31	.07	2 in 1	
		"	"	"	5	"	.32	.07	2 in 1	
		"	"	"	5	"	.33	.07	1 in 1	
		"	"	"	2	"	.34	.05	"	
		"	"	"	2	"	.35	.04	"	
		"	"	"	2	"	.36	.04	3 in 1	
		"	"	"	3	"	.37	.04	1 in 1	
		"	"	"	5	"	.38	.07	2 in 1	
		"	"	"	4	"	.39	.06	1 in 1	
		"	"	"	3	"	.40	.05	1 in 1	
		"	"	"	2	"	.42	.03	A Spark.	
		"	"	50		0.1	.43		"	
		"	"	30		0.2	.45			
		"	"	75		Inst.	.46	.02	A Spark.	
	From 5h 55m P.M. to 6h 6m P.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	5.55	0.04	A Spark.	5.55
		"	"	"	2	"	.57	.03	1 in 1	
		"	"	"	2	"	.58	.03	"	
		"	"	"	2	"	6.00	.03	"	
		"	"	"	2	"	.02	.03	"	
		"	"	"	2	"	.04	.03	"	
			0	0	0		.06			
	From 6h 19m P.M. to 6h 45m P.M.	Neg.	Out of Scale.	Out of Scale.	3	Inst.	6.19	0.05	1 in 1	
		"	"	"	3	"	.20	.05	2 in 1	6.20
		"	"	"	4	"	.21	.06	1 in 1	
		"	"	"	3	"	.23	.05	"	
		"	"	"	3	"	.24	.05	"	
		"	"	"	3	"	.26	.05	"	
		"	"	"	3	"	.27	.05	2 in 1	
		"	"	"	4	"	.28	.06	1 in 1	
		"	"	"	4	"	.29	.06	"	
		"	"	"	5	"	.30	.07	2 in 1	6.30
		"	"	"	3	"	.31	.05	1 in 1	
		"	"	"	3	"	.33	.05	3 in 2	
		"	"	"	3	"	.34	.05	"	
		"	"	"	3	"	.35	.05	1 in 1	
		"	"	"	3	"	.36	.05	2 in 1	
		"	"	"	3	"	.37	.05	1 in 1	
		"	"	"	3	"	.38	.05	"	
		"	"	"	3	"	.39	.05	"	
		"	"	"	3	"	.40	.05	"	
		"	"	"	3	"	.41	.05	"	
		"	"	"	2	"	.43	.04	"	
		"	"	75		0.4	.45	.02	A Spark.	

EXTRAORDINARY ELECTROMETER OBSERVATIONS, 1863.

Barometer corrected to 32° Fahr.	Temperature of Air.	Wind. Direction.	Wind. Force in lbs.	Extent of Cloudy Sky.	Remarks.
		Calm.	0.0	8	Densely clouded with ∿ moving NNW.
		"	"	"	
		"	"	"	Clap of thunder about zenith.
		"	"	"	Overcast with ∿ moving NNW.
		"	"	"	
		"	"	"	
		"	"	"	Overcast; vivid lightning and thunder.
		"	"	"	
29.775	80.0	"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; rain moderated; lightning in E and thunder in E at times.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast; lightning and thunder in E of zenith.
		"	"	"	
		"	"	"	
29.780	78.5	Calm.	0.0	8	
		"	"	"	
		"	"	"	Overcast with ∿, the motion of which was NW; lightning in NE.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.790	78.5	Calm.	0.0	8	
		"	"	"	Overcast; lightning accompanied with thunder in NNE; light rain.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	Overcast with ∿ moving NW; lightning in NE and NW. hor.; rain very light.
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
		"	"	"	
29.807	78.5	"	"	"	

BOMBAY GOVERNMENT OBSERVATORY.

ABSTRACT OF THE RESULTS

OF THE

METEOROLOGICAL OBSERVATIONS.

1863.

BOMBAY METEOROLOGICAL OBSERVATIONS.

METEOROLOGICAL RESULTS.

The following Meteorological Elements are comprised under this head :—

1. Barometric Pressure.
2. Temperature of the Air and Ground.
3. Hygrometric State of the Air.
4. Direction and Force of Wind.
5. State of the Weather.

Barometric Pressure.—This element was determined by means of two Standard Barometers, (Nos. 58 and 48) by Newman, which were on all occasions observed simultaneously throughout the year. The difference between the Scale Readings of both Barometers is 0·013 in., which remains nearly constant; consequently the observations of Barometer No. 48 are not printed, nor any results found from them. Barometer No. 48 serves only as a check on the observations of Barometer No. 58, whose results are fairly drawn out.

Temperature of the Air and Ground.—This element was determined by means of six Thermometers, placed in situations differing from one another, in order that all the changes which the Temperature undergoes, arising from different situations, might be accurately determined.

Hygrometric State of the Air.—Under this head are classed the Temperature of Evaporation; Temperature of Dew-Point; Pressure of Moisture; Humidity of Air; Weight of cubic foot of Air; Weight of Vapour in a cubic foot of common Air; Weight of Vapour required for complete saturation of a cubic foot of Air; and quantity of water actually evaporated in the Atmosphere. Of all these, the only one actually observed, has been the Temperature of Evaporation (Wet Bulb), and the others were calculated by tables given in the introduction to the Volume for 1847.

Direction and Force of Wind.—These elements were deduced from the self-registered curves of Osler's Anemometer and from the observations of Lynd's Wind Gauge.

State of the Weather.—Under this head are set down the prevailing Clouds in different seasons; the portion of the cloudy Sky at particular times; fall of Rain; and all Storms, such as lightning, thunder, and wind.

TABLE I.—*Showing, in the Months of January and February, the Highest and Lowest Readings and Ranges of Force of Wind; Maximum Tension of Electricity; and the*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind.			
															Before Sunrise.		After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.				
JANUARY 1863.	1	☾	30·022	29·880	0·142	81·8	66·5	15·3	69·5	61·5	8·0	0·629	0·463	0·166	NE	0·2	E	0.3
	2	Gtst. N. Dec. ☽ A.	·020	·897	·123	84·0	67·5	16·5	69·2	61·6	7·6	·648	·452	·196	ENE	0·5	„	0·3
	3																	
	4	○	·025	·908	·117	84·4	68·2	16·2	74·0	63·0	11·0	·744	·500	·244	N	0·5	NE	0·4
	5		29·970	·848	·122	83·0	68·0	15·0	72·0	65·5	6·5	·674	·463	·211	„	0·4	„	0·2
	6		30·001	·879	·122	81·4	67·8	13·6	69·6	61·0	8·6	·620	·458	·162	NW	0·4	NW	0·2
	7		·005	·889	·116	83·8	67·0	16·8	75·0	60·0	15·0	·768	·429	·339	„	0·4	N	0·2
	8		·045	·911	·134	88·0	71·3	16·7	75·0	66·5	8·5	·762	·586	·176	N	0·4	NE	0·3
	9	Equator.	·046	·934	·112	85·8	70·2	15·6	75·0	65·0	10·0	·757	·536	·221	NE	0·5	„	0·3
	10																	
	11		·052	·914	·138	89·2	71·0	18·2	73·2	65·5	7·7	·748	·514	·234	NW	0·4	NE	0·3
	12	☾	29·994	·866	·128	82·2	69·5	12·7	72·0	65·0	7·0	·672	·562	·110	NNW	0·3	N	0·3
	13		·967	·865	·102	82·0	67·6	14·4	70·0	61·2	8·8	·648	·474	·174	„	0.2	„	0·2
	14		30·004	·890	·114	81·0	66·1	14·9	71·0	57·5	13·5	·668	·385	·283	„	0·8	„	0·1
	15		·007	·904	·103	80.2	66·6	13·6	70·0	62·5	7·5	·637	·524	·113	calm	0·1	NE	0·2
	16	Gtst. S. Dec.	·051	·922	·129	80·8	65·0	15·8	69·5	58·6	10·9	·660	·424	·236	„	0·0	„	0·3
	17	☽ Perigee.																
	18	●	·056	·942	·114	80·0	68·3	11·7	70·0	67·0	3·0	·695	·551	·144	„	0·4	NNE	0·4
	19		·016	·905	·111	80·0	67·0	13·0	69·5	65·5	4·0	·661	·527	·134	NNE	0.3	„	0·2
	20		29·949	·880	·069	82·0	69·0	13 0	73·0	67·0	6·0	·731	·627	·104	E	0·6	SE	1·0
	21		30·058	·853	·205	76.0	64·0	12·0	72·3	62·0	10·3	·766	·499	·267	variable	2·5	NW	2·5
	22	Equator.	·108	·947	·161	75·7	60·2	15·5	67·0	56·5	10·5	·593	·423	·170	N	0·8	N	0·2
	23		29·959	·832	·127	79·2	62·0	17·2	71·5	57·0	14·5	·713	·398	·315	„	0·6	„	0·3
	24																	
	25	☽	30·008	·874	·134	85·5	70·3	15·2	74·2	65·0	9·2	·748	·516	·232	E	0·5	ENE	0·3
	26		·001	·889	·112	85·7	72·3	13·4	75 0	69·0	6·0	·762	·598	·164	NE	0·6	NE	0·5
	27	●	29·989	·846	·143	87·0	71·0	16·0	73·0	65·0	8·0	·691	·527	·164	„	0·6	„	0·4
	28		·919	·826	·093	85·6	72·6	13·0	73·2	66·0	7·2	·733	·452	·281	„	0·3	„	0·4
	29	Gtst. N. Dec.	·941	·815	·126	83·0	71·0	12·0	70·2	67·0	3·2	·686	·521	·165	E	0·8	variable	0.5
	30	Apogee.	·974	·872	·102	80·6	69·6	11·0	71·5	64·8	6.7	·716	·543	·173	N b E	0·1	NE	0·3
	31																	
FEBRUARY 1863.	1																	
	2		30·001	29·884	0·117	81·2	67·0	14·2	71·3	60·2	11·1	0·699	0·451	0·248	N	0·2	N	0·3
	3		29·963	·839	·124	82·0	70 0	12·0	72·0	66·9	5·1	·695	·608	·087	NNW	0·2	NE	0·1
	4	○	·912	·787	·125	83·0	70·2	12·8	73·6	67·2	6·4	·751	·586	·165	calm	0·3	E	0·3
	5		·918	·787	·131	83·8	69·0	14·8	72·0	62·0	10·0	·677	·453	·224	NNW	0 2	N	0·2
	6	Equator.	·934	·812	·122	83 2	68·0	15·2	71·5	60·0	11·5	·653	·434	·219	N	0 5	„	0·3
	7		·985	·868	·117	84·5	69·0	15·5	73·0	61·0	12·0	·672	·382	·290	NW	0 1	NNW	0·2
	8																	
	9		·940	·813	·127	82·0	68·0	14·0	71·0	62·0	9·0	.686	·453	·233	N	1·0	N	0·5
	10		·917	·788	·129	80·2	67·5	12·7	69·0	61·3	7·7	·626	·459	·167	„	0·4	„	0·5
	11	☾	·906	·781	·125	81·4	66·4	15·0	69·0	61·0	8·0	·572	·382	·190	calm	0·0	NE	0·4
	12		·911	·779	·132	89·7	69·6	20·1	73·8	63·0	10·8	·702	·386	·316	NE	0·3	ENE	0·4
	13	Gtst. S. Dec.	·930	·803	·127	82·3	69·0	13 3	71·0	66·0	5·0	.678	·550	·128	WNW	0·2	WNW b NE	0·2
	14		·951	·830	·121	82·4	67·8	14·6	72·0	64·5	7·5	·680	·563	·117	NNW	0·3	N & NE	0·1
	15																	
	16	Perigee.																
	17		·939	·806	·133	79·8	67·0	12·8	69·8	64·0	5·8	·615	·543	·072	calm	0·1	NNW	0·2
	18	●	·932	·801	·131	82·4	68·4	14 0	70·0	57·0	13·0	·640	·315	325	„	0·2	NE	0·2
	19	Equator.	·967	·850	·117	83·8	67·4	16 4	69·6	58·0	11·6	·562	·355	·207	N	0·6	N	0·4
	20		30·030	·887	·143	86·0	69·0	17·0	72 0	61 2	10·8	·643	·434	·209	NNW	0·2	NE	0·3
	21	●	·002	·868	·134	95·0	73·6	21·4	74·6	63·6	11·0	·768	·405	·363	NNE	0·7	ENE	0·8
	22																	
	23		29 994	·860	·134	89·0	69·0	20 0	74·5	60 0	14·5	·706	·327	·379	N	0 2	NE	0·4
	24		30·002	·857	·145	91 5	69·5	22·0	74·0	63·0	11·0	718	·292	·426	NNW	0·2	NNW & NE	0·4
	25	☽	29·980	·810	·140	90 6	69·0	21·6	74·3	60·0	14·3	·684	·347	·337	„	0·2	N	0·1
	26	Gtst. N. Dec.	·961	·834	·127	92·0	71·8	20·2	77·0	61·0	16 0	·802	·372	·430	„	0·2	NE	0·3
	27	Apogee.	·936	·809	·127	92·8	71·0	21·8	76·0	59·5	16·5	·815	·381	·464	NWbNNW	0·2	„	0·2
	28		·932	·787	·145	89·0	72.0	17·0	78 0	66·0	12·0	·840	·517	·323	calm	0·1	„	0·3

Barometer, Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum state of Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	Weather.
Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.		
NNW	0·6	N	0·5	moderate	Cloudless day; dew fell at midnight and 1 h. A. M.
NW	0·6	NW	0·5	moderate	Partially clouded with Cl; dew fell at about midnight.
,,	0·6	,,	0·5	slight	Partially clouded with Cl and Cu; mist, fog, dew.
WNW	0·7	NW	0·8	slight	A few pieces of Cu in the afternoon; mist and fog.
,,	1·3	,,	1·3	slight	Cloudless day; mist, fog and dew.
NW	0·8	,,	0·5	slight	Partially clouded with Cl; mist and fog.
,,	0·8	NNW	0·6	slight	Cloudless day; mist and fog.
,,	0·6	,,	0·6	very slight	A few Cl in hor. at 6 A. M.; mist, fog and dew.
WNW	0·5	NW	0·4	very slight	Partially clouded with Cl; mist, fog and dew.
NW	0·8	,,	0·5	nothing	Clouded with Cl, motion SE; mist, fog and dew.
,,	0·8	,,	0·4	very slight	Densely clouded with Cl, motion E; mist, fog and dew.
,,	0·8	,,	0·6	very slight	Clouded with Cl, motion NE; mist, fog and dew.
,,	0·8	,,	0·5	,,	Partially clouded with Cl; mist, fog and dew.
,,	1·0	N B W	1·0	moderate	Clouded with Cl moving E; mist, fog and dew.
,,	0·8	NW	0·3	moderate	Clouded with Cl; mist, fog and dew.
,,	0·7	,,	0·3	,,	Partially clouded with Cu; mist, fog and dew.
SW	1·7	SW	1·0	none	Partially clouded with Cl, Cu and Cu whose motion was NE.
NNW	1·0	N	0·8	,,	Densely clouded with Cu, motion SE; rain and wind strong.
NW	1·0	N	1·4	,,	A few pieces of Cu in hor. in the afternoon; mist, fog and dew.
,,	1·0	NNW	0·7	,,	A few pieces of Cu along the E. hor. in the afternoon; mist and fog.
,,	0·6	,,	0·5	very slight	Cu in the afternoon; partially clouded with Cl and Cu; mist, fog and dew.
,,	0·8	N	0·8	slight	Cu in the afternoon; Cl and Cu scattered about, motion N; mist, fog and dew.
,,	0·8	,,	0·6	very slight	Partially clouded with Cu moving N; mist, fog and dew.
,,	0·7	,,	0·5	slight	Cu scattered about moving N; mist, fog and dew.
,,	1·0	NNW	0.6	very slight	Cu scattered here and there moving N; mist and fog.
,,	1·2	,,	0·5	moderate	A few clouds in hor. in the morning and afternoon; mist, fog and dew.
NW	0·7	NNW	0·4	slight	A few pieces of clouds along the E. hor. afternoon; mist, fog and dew.
NNW	0.6	,,	0·2	moderate	Partially clouded with Cu in the morning; mist, fog and dew.
NW	1·0	,,	0·4	slight	Cloudless day; mist, fog and dew.
NNW	0·6	,,	0·8	nothing	Cloudless day; mist and dew.
,,	0·7	,,	0·5	very slight	A few clouds in E. hor. in the morning and afternoon; mist in hor.
,,	0·6	N	0·5	slight	A few linear Cl in E. hor. at 6 P. M; mist.
NW	0·8	NW	0·7	,,	Partially clouded with Cl; mist.
,,	1·2	NNW	0·9	nothing	Cloudless day; mist and dew.
,,	1·0	,,	0·8	,,	Cloudless day; mist and dew.
W	0·5	WNW	0·3	moderate	A few linear clouds along the E. hor. afternoon; mist.
NW	0·7	NW	0·4	,,	Cloudless day; mist; dew in the morning.
,,	0·7	,,	0·8	nothing	A few pieces of Cu in SE. hor. at 6 P. M.; mist and dew.
,,	0·7	,,	0·7	very slight	Cu scattered about hor. in the morning, their motion W; misty.
,,	1·0	NNW	1·2	nothing	Cloudless day; mist and dew.
NNW	1·4	,,	1·5	,,	Cu along the E. hor. in the afternoon; mist and dew.
NW	0·6	,,	0·9	slight	Cloudless day; mist and dew.
NE	0·4	NW	0·5	,,	Cloudless day; mist and dew.
N	0·6	NNW	0·6	moderate	Cloudless day; mist in hor.
NW	0·4	,,	0·4	,,	Cloudless day; mist and dew.
,,	0·5	,,	0·5	,,	Cloudless day; mist and dew.
,,	0·5	NW	0·2	,,	Cloudless day; mist and dew.
,,	0·4	,,	0·2	,,	A few Cl in E. hor. at 6 A. M.; mist and dew.
,,	0·4	,,	0·3	,,	Cloudless day; mist and dew.

TABLE II.—*Showing, in the Months of March and April, the Greatest and Least Readings of Barometer, Maximum Tension of Electricity; and the state of*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind. Before Sunrise.		Wind. After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.				
MARCH 1863.	1		29·935	29·789	0·146	86·0	72·6	13·4	78·5	70·0	8·5	0·872	0·658	0·214	calm	0·1	variable	0·4
	2																	
	3		·889	·764	·125	82·4	73·0	9·4	72·5	69·0	3·5	·760	·589	·171	NNW	0·4	NNW	0·8
	4		·901	·776	·125	79·9	70·0	9·9	69·0	65·4	3·6	·659	·544	·115	NW	0·7	N	0·4
	5	○	·901	·766	·135	82·6	69·0	13·6	70·5	63·0	7·5	·636	·497	·139	,,	0·2	NNW	0·3
	6	Equator.																
	7		·853	·742	·111	86·0	73·0	13·0	76·5	71·0	5·5	·821	·678	·143	,,	0·2	variable	0·3
	8																	
	9		·896	·779	·117	86·6	76·5	10·1	78·2	75·0	3·2	·873	·821	·052	SW	0·4	SSE	0·6
	10		·899	·774	·125	86·0	75·8	10·2	77·0	72·0	5·0	·838	·731	·107	S	0·3	SE	0·5
	11		·919	·795	·124	81·7	73·0	8·7	71·5	66·0	5·5	·716	·561	·155	W	0·5	NW	0·5
	12	☾ South Dec.	·916	·808	·108	80·8	70·4	10·4	69·0	65·0	4·0	·632	·527	·105	NW	0·3	NE	0·2
	13		·912	·767	·145	81·7	68·8	12·9	69·5	63·0	6·5	·582	·474	·108	,,	0·4	N	0·2
	14		·876	·761	·115	83·5	68·4	15·1	71·2	64·5	6·7	·622	·515	·107	N	0·3	,,	0·5
	15	Perigee.																
	16		·926	·799	·127	86·0	72·0	14·0	72·2	67·0	5·2	·695	·571	·124	NNW	0·6	N	0·6
	17		·898	·759	·139	85·9	74·0	11·9	74·5	69·0	5·5	·783	·608	·175	N	0·6	,,	0·2
	18		·863	·763	·100	85·6	73·4	12·2	76·0	72·0	4·0	·794	·681	·113	calm	0·0	variable	0·2
	19	● Equator.	·901	·788	·113	88·0	72·8	15·2	75·2	69·0	6·2	·777	·595	·182	,,	0·2	ENE	0·2
	20		·905	·785	·120	87·2	73·8	13·4	75·0	68·0	7·0	·781	·616	·165	N	0·2	NE	0·2
	21		·948	·802	·146	87·8	73·5	14·3	76·0	70·5	5·5	·810	·675	·135	calm	0·0	ESE	0·2
	22																	
	23		·938	·801	·137	85·8	74·0	11·8	76·0	70·4	5·6	·791	·648	·143	NW&NNW	0·5	NNW	0·4
	24		·965	·831	·134	86·6	74·3	12·3	76·0	69·0	7·0	·794	·645	·149	calm	0·4	calm	0·3
	25		·953	·822	·131	87·2	77·8	9·4	76·0	69·5	6·5	·829	·621	·208	N	0·7	N	0·6
	26	Gtst. N. Dec.	·942	·800	·142	87·8	76·8	11·0	78·0	72·0	6·0	·834	·701	·133	NW	0·2	ENE	0·2
	27	☽ Apogee.	·902	·755	·147	89·2	77·3	11·9	77·0	73·2	3·8	·849	·729	·120	NNW	0·4	E & NW	0·3
	28		·895	·746	·149	89·5	78·4	11·1	77·5	72·0	5·5	·810	·700	·110	,,	0·2	NNW	0·2
	29																	
	30		·881	·754	·127	87·0	75·5	11·5	72·2	69·5	2·7	·708	·565	·143	,,	0.2	N	0·5
	31		·896	·752	·144	84·5	75·8	8·7	76·4	71·6	4·8	·825	·699	·126	NW	0·6	N & NW	0·3
APRIL 1863.	1		29.898	29·756	0·142	86·5	75·2	11·3	78·4	74·0	4·4	0·929	0·735	0·194	NW	0·2	NW	0.2
	2	Equator.	·841	·685	·156	88·6	76·2	12·4	79·0	74·5	4·5	·890	·764	·126	WNW	0·3	,,	0·1
	3																	
	4	○	·776	·659	·117	86·0	76·0	10·0	78·0	72·0	6·0	·864	·731	·133	NNW	0·4	N	0·4
	5																	
	6		·840	·735	·105	86·2	75·0	11·2	77·6	73·0	4·6	·888	·738	·150	NW	0·5	,,	0·4
	7		·817	·705	·112	87·9	75·8	12·1	78·0	71·5	6·5	·873	·656	·217	NNE	0·4	,,	0·6
	8	Gtst.South Dec.	·833	·702	·131	89·0	76·0	13·0	77·5	71·5	6·0	·856	·614	·242	N	1·1	,,	0·5
	9	Perigee.	·816	·704	·112	91·7	75·2	16·5	80·5	73·0	7·5	·921	·712	·209	,,	0·5	,,	0·2
	10		·860	·745	·115	89·5	77·6	11·9	80·0	73·5	6·5	·900	·769	·131	,,	0·7	variable	0·3
	11	☾	·853	·714	·139	88·8	77·0	11·8	78·0	74·0	4·0	·859	·717	·142	NW	0·6	,,	0·2
	12																	
	13		·792	·688	·104	88·7	76·8	11·9	78·0	73·3	4·7	·842	·770	·072	W	0·4	SE	0·2
	14		·787	·697	·090	89·6	78·5	11·1	78·5	73·2	5·3	·834	·748	·086	SW	0·3	ESE	0·5
	15	Equator.	·803	·688	·115	89·0	77·6	11·4	78·3	73·0	5·3	·904	·750	·164	SSW	0·2	ESE	0·4
	16		·781	·687	·094	89·6	77·2	12·4	78·8	74·0	4·8	·884	·728	·156	NNW	0·2	NE	0·3
	17		·767	·626	·141	87·6	76·9	10·7	78·2	73·5	4·7	·849	·777	·072	N	0·8	NW	0·5
	18	●	·720	·618	·102	89·6	79·0	10·6	79·5	75·4	4·1	·906	·729	·177	NW	0·3	variable	0·2
	19																	
	20		·762	·648	·114	90·3	77·8	12·5	80·5	73·0	7·5	·926	·724	·202	variable	0·2	,,	0·6
	21		·754	·604	·150	91·8	80·0	11·8	81·7	77·4	4·3	·968	·829	·139	,,	0·3	,,	0·5
	22	Gtst. N. Dec.	·758	·610	·148	92·0	81·9	10·1	81·0	75·6	5·4	·968	·778	·190	,,	0·2	NE&NW	0·2
	23		·767	·644	·123	92·0	82·0	10·0	81·5	78·0	3·5	·969	·888	·081	NW	0·1	S	0·6
	24	Apogee.	·793	·677	·116	92·0	79·4	12·6	81·6	73·2	8·4	·944	·738	·216	SSW	1·1	S	0·4
	25		·797	·634	·163	91·7	78·7	13·0	81·5	74·0	7·5	·960	·772	·188	SE	1·2	E	0·4
	26	☽																
	27		·822	·724	·098	91·7	82·5	9·2	82·0	76·6	5·4	·978	·833	·145	W	0·4	NW	0·6
	28		·865	·753	·112	91·5	82·7	8·8	80·4	78·0	2·4	·938	·867	·071	,,	0·3	,,	0·2
	29	Equator.	·861	·755	·106	91·8	82·2	9·6	80·4	77·0	3·4	·905	·828	·077	WNW	0·3	,,	0·4
	30		·871	·762	·109	92·2	80·0	12·2	77·5	74·0	3·5	·851	·737	·114		0·3		0·2

Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum Force of Wind; Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	Weather.
Mean Direction.	Maximum Force.	Mean Direction	Maximum Force.		
variable	0·6	variable	0·5	slight	Mist and dew.
NW	1·8	NW	1·3	,,	A few ∿ı in the hor. in the morning and after sunset; dew and mist.
,,	0·8	,,	0·7	,,	Partially clouded with ∿ı in the morning, their motion was SE; mist.
,,	1·0	,,	0·6	,,	Mist in horizon.
					Mist and dew.
W	0·3	WSW	0·2	,,	Mist and dew.
SW	0·8	,,	0·5	nothing	Partially clouded with ∿ı moving NE; mist and dew.
W	1·0	W	0·2	,,	Partially clouded with ∿ı moving NE.; mist and dew.
NW	1·0	NW	0·5	,,	Clouded with ∿ı till sunset, their motion was SE; mist.
,,	0·8	,,	0·4	,,	Partially clouded with ∿ı in the morning, their motion being SE.
,,	0·8	,,	0·7	,,	Clouded in the morning as on the preceding day.
NNW	1·0	N	1·0	,,	Mist in horizon.
,,	1·0	NNW	1·0	,,	∿ı scattered about moving SE; lightning in E.; mist.
WNW	0·7	WNW	0·4	,,	Partially clouded with ∿ı, ∿ı and ⌒ı; lightning and drops of rain.
,,	0·5	NW	0·6	,,	⌒ı and ∿ı around hor.; lightning in E; mist and dew.
NW	1·0	N	0·8	,,	⌒ı, ∿ı and ∖ı scattered about; lightning in E; mist and dew.
,,	1·3	NNW	0·6	,,	Partially clouded ∖ı, ∿ı, ⌒ı; lightning in E; mist and dew.
W	0·4	WNW	0·3	,,	Partially clouded with ∿ı and ⌒ı; lightning in E; mist and dew.
NW	0·6	N	0·2	slight	⌒ı and ∿ı around hor.; lightning in E hor.; mist and dew.
,,	0·7	NNW	0·6	,,	Partially clouded with ⌒ı, ∿ı, ∿ı, and ∖ı; lightning in NE hor.; mist and fog; motion of clouds E.
,,	0·8	NW	0·5	,,	Partially clouded with ⌒ı, ∖ı and ∿ı; lightning in E; mist and fog; motion of clouds SE.
,,	0·8	,,	0·8	,,	⌒ı and ∿ı scattered about, motion SE; lightning in E hor.; mist and dew.
,,	0·8	NNW	0·5	nothing	∿ı scattered about, whose motion was E; mist and dew.
,,	0·8	NW	0·6	,,	∿ı scattered about hor. moving SE; mist in hor.
,,	1·8	,,	1·5	slight	∖ı scattered about hor.; mist in hor.
NW	0·8	NNW	0·6	,,	⌒ı, ∿ı scattered about, their motion was SE; lightning in E hor.
NW	0·5	NW	0·7	slight	⌒ı, ∿ı, ∿ı, their motion SE; mist and dew.
,,	0·5	,,	0·7	,,	⌒ı, ∿ı, ∿ı, their motion SE; mist and dew.
,,	0·4	,,	0·5	nothing	A few ∿ı; mist, fog and dew.
,,	0·5	NNW	0·6	slight	Partially clouded with ∿ı; mist, fog and dew.
,,	1·0	NW	1·4	,,	A few ∿ı; mist and dew.
,,	0·8	NW&NNW	1·0	,,	A few ∿ı at 10 and 11 P. M.; mist and dew.
NNW	1·0	NNW	1·3	,,	∿ı in the morning; mist and dew.
NW	0·4	NW	1·0	,,	⌒ı and ∖ı; dew, mist and fog; lightning in E. hor.
WNW	0·4	WNW	0·5	nothing	A few clouds in hor. in the evening; lightning in E. hor. at midnight; dew fell in the morning.
variable	0·2	calm	0·2	slight	Partially clouded with ∿ı whose motion was E; mist and dew.
SW	0·4	SSW	0·3	,,	Partially clouded with ∿ı whose motion was NE; mist and fog in hor.
WNW	0·7	NW	0·6	,,	,, ,, ,,
,,	1·1	,,	1·4	,,	∿ı about hor. till sunrise; mist and dew.
NW	0·9	,,	0·6	,,	Partially clouded with ⌒ı, ∿ı, ∖ı, motion SE; lightning, mist and dew.
W	0·7	variable	0·6	nothing	,, ,, ,,
WSW	0·6	,,	0·2	,,	⌒ı and ∿ı scattered about hor.; mist, fog and dew; lightning.
NW	0·6	,,	0·4	,,	Clouded with ⌒ı and ∿ı, motion NE; lightning.
WNW	0·8	WNW	0·4	slight	∿ı, ∿ı, ∖ı, motion NE; lightning.
SW	0·5	SW	1·0	nothing	Clouded with ∿ı, ∿ı, ∖ı, ⌒ı, motion SE; lightning, drops of rain.
SW	0·5	variable	0·4	sparks	Partially clouded with ∿ı, ∿ı, ∖ı, ⌒ı, motion NE; lightning, thunder and rain.
W	0·7	SSW	0·8	moderate	Partially clouded with ∿ı and ⌒ı, motion N; lightning.
NW	0·7	NW	0·3	slight	∿ı, ∿ı, ⌒ı, motion SE; lightning.
,,	0·6	,,	0·3	nothing	,, ,, ,,
	0·2		0·5	,,	,, ,,
	0·3		0·4	,,	Partially clouded with ∖ı and ∿ı, motion E.

TABLE III.—*Showing, in the Months of May and June, the Greatest and Lowest Readings of Barometer, Force of Wind; Maximum Tension of Electricity; and the*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind. Before Sunrise.		Wind. After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.				
MAY 1863.	1	☾	29·854	29·755	0·099	92·0	80·0	12·0	78·0	73·1	4·9	0·819	0·727	0·092	W	0·1	variable	0.3
	2		·867	·762	·105	90·9	80·2	10·7	77·0	73·7	3·3	·807	·716	·091	WNW	0·3	NW	0·2
	3	○																
	4		·816	·730	·086	90·8	80·6	10·2	80·0	75·4	4·6	·901	·766	·135	NW	0·3	N	0·3
	5		·824	·734	·090	90·2	80·4	9·8	80·4	75·6	4·8	·932	·789	·133	NNW	0·3	NE & N	0·4
	6	Gtst. S. Dec. Perigee.	·778	·667	·111	90·0	80·6	9·4	80·3	77·0	3·3	·957	·855	·102	NW	0·5	NE	0·3
	7		·798	·708	·090	92·0	81·0	11·0	81·5	77·2	4·3	·937	·837	·100	N	0·3	variable	0·3
	8		·798	·688	·110	93·6	81·8	11·8	82·6	77·5	5·1	·966	·849	·117	W&WNW	0·5	SW	0·3
	9		·779	·698	·081	93·6	81·5	12·1	81·3	76·4	4·9	·913	·796	·117	SW	0·2	WSW	0·4
	10	☾																
	11		·780	·678	·102	91·6	80·2	11·4	81·0	76·6	4·4	·920	·840	·080	NNW	0·3	NE	0·3
	12	Equator.	·769	·672	·097	91·0	81·4	9·6	79·0	76·0	3·0	·895	·761	·134	NW	0·5	N	0·3
	13		·755	·651	·104	91·2	81·0	10·2	79·2	76·0	3·2	·864	·810	·054	„	0.3	„	0·2
	14		·733	·667	·066	90·4	81·0	9·4	80·0	76·4	3·6	·892	·834	·058	NNW	0·5	„	0·4
	15		·780	·656	·124	90.8	79·5	11·3	79·8	76·0	3·8	·887	·818	·069	NNW & N	0·7	variable	0·3
	16		·793	·641	·152	90·4	80·0	10·4	80·4	77·0	3·4	·928	·849	·079	N	0·8	„	0·3
	17	●																
	18		·718	·603	·115	91·0	81·8	9·2	80·4	77·0	3·4	·920	·843	·077	NW	0·7	NW	0·3
	19	Gtst. N. Dec.	·755	·629	·126	92·0	81·0	11·0	79·0	76·0	3·0	·895	·797	·098	„	0.5	NW & W	0·2
	20		·772	·684	·088	92·8	81·3	11·5	80·0	75·3	4·7	·870	·795	·075	W	0·2	W & SW	0·3
	21		·784	·675	·109	93.8	82·0	11·8	80·0	76·0	4·0	·870	·800	·070	WSW	0·4	W	0·4
	22	Apogee.	·791	·686	·105	93·5	82·0	11·5	80·0	76·0	4·0	·870	·783	·087	SW	0·7	SW	0·4
	23		·816	·686	·130	93·8	83·0	10·8	81·0	77·0	4·0	·932	·838	·094	SSW	1·2	„	0·5
	24																	
	25		·816	·726	·090	92·8	83·3	9·5	81·0	77·2	3·8	·913	·839	·074	SW	0·7	„	0·6
	26	☽	·845	·737	·108	94·0	83·0	11·0	81·0	77·0	4·0	·915	·823	·092	„	0·6	„	0·3
	27	Equator.	·822	·725	·097	92·8	81·8	11·0	81·0	77·0	4·0	·904	·844	·060	„	0·5	WSW	0·4
	28		·798	·695	·103	92·6	82·2	10·4	80·6	78·0	2·6	·908	·868	·040	„	0·3	W	0·2
	29		·779	·692	·087	92·3	82·3	10·0	80·6	77·1	3·5	·912	·851	·061	„	0·3	WSW	0.2
	30		·775	·663	·112	92·6	82·3	10·3	80·1	77·0	3.1	·900	·815	·085	„	0·2	SW & W	0·2
	31		·738	·622	·116	92·6	82·0	10·6	80·1	76·4	3·7	·874	·829	·045	„	0·2	W	0·3
JUNE 1863.	1																	
	2	○ Gtst. S. Dec.	29·709	29·604	0·105	93·9	82·8	11·1	80·0	76·5	3·5	0·920	0·815	0·105	W	0·4	W	0·3
	3	Perigee.	·679	·609	·070	92·3	83·4	8·9	80·2	77·0	3·2	·889	·798	·091	WNW	0·3	NW	0·2
	4		·711	·618	·093	93·8	83·0	10·8	80·8	78·0	2·8	·909	·850	·059	W	0·2	W	0·2
	5		·726	·634	·092	90·2	80·5	9·7	81·0	77·6	3·4	·954	·889	·065	S	0·4	S	0·8
	6		·679	·583	·094	91·5	81·4	10·1	81·3	77·0	4·3	·973	·851	·122	SE	1·3	SSE	0·8
	7																	
	8	Equator. ☾	·621	·579	·102	85·0	78·8	6·2	80·0	77·0	3·0	·946	·882	·064	„	1·3	SE	2·0
	9		·615	·526	·089	86·8	78·8	8·0	80·0	76·8	3·2	.959	·838	·121	SSE	2·0	SSE & S	4·0
	10		·707	·555	·152	83·0	78·0	5·0	79·0	76·7	2·3	·948	·864	·084	SE	2·5	SE	1·8
	11		·713	·637	·076	86·9	77·8	9·1	80·5	75·0	5·5	·952	·823	·129	SSE	1·5	S	2·4
	12		·711	·627	·084	85·6	78·3	7·3	79·8	76·0	3·8	·935	·849	·086	S	1·2	SSE	0·9
	13		·714	·633	·081	86·7	77·0	9·7	81·4	75·3	6·1	.988	·818	·170	SSE	0·5	S	0·7
	14																	
	15	Gtst. N. Dec.	·650	·580	·070	79·7	76·5	3·2	78·0	75·5	2·5	·928	·857	·071	WSW	0·5	WSW	2·0
	16	●	·594	·515	·079	85·6	78·2	7·4	80·5	76·2	4·3	·961	·860	·101	SSW	0·8	SSW	1·3
	17		·595	·501	·094	85·8	76·7	9·1	81·0	74·3	6·7	1·000	·809	·191	variable	0·4	S	0·3
	18	Apogee.	·591	·510	·081	82·0	78·3	3·7	79·0	76·5	2·5	0·953	·860	·093	S	0·3	S	0·5
	19		·614	·536	·078	85·7	78·6	7·1	80·5	76·5	4·0	·962	·858	·104	SW	3·0	SSW	2·0
	20		·558	·490	·068	83·3	77·8	5·5	79·5	76·2	3·3	·966	·871	·095	„	3·5	„	4·0
	21																	
	22		·561	·457	·104	86·0	80·4	5·6	80·2	78·0	2·2	·945	·895	·050	„	1·7	SW	1·5
	23	Equator.	·628	·506	·122	83·8	79·8	4·0	79·8	77·5	2·3	·966	·888	·078	SSW	4·0	SSW	2·0
	24	☽	·640	·571	·069	85·6	78·0	7·6	80·1	76·0	4·1	·948	·860	·088	„	0·9	„	3·2
	25		·629	·554	·075	86·5	80·9	5·6	80·4	77·0	3·4	·956	·865	·091	„	1·0	SW	1·5
	26		·611	·524	·087	86·6	79·0	7·6	80·5	77·0	3·5	·966	·882	·084	SW	2·5	„	1·2
	27		·621	·527	·094	88·7	80.9	7·8	80·5	78·0	2·5	·966	·879	·087	SSW	1·0	„	1·0
	28																	
	29		·670	·583	·087	86·6	81·0	5·6	80·1	77·0	3·1	·940	·864	·076	SW	0·6	„	0.4
	30	Gtst. S. Dec.	·713	·617	·096	89·6	80·6	9·0	81·0	77·0	4·0	·941	·870	·071	„	0·4	„	0.3
	31	☉																

Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum state of Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	Weather.
Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.		
WSW	0·5	WNW	0·4	slight	Partially clouded with ⌒ and ⌒; motion of clouds E.
WNW	0·4	,,	0·2	nothing	Partially clouded with ⌒; motion of clouds E; mist.
NW	0·6	NW	0·4	,,	Partially clouded with ⌒ and ⌒; motion of clouds SE.
WNW	0·7	,,	0·7	,,	Clouded with ⌒; lightning in E hor.; motion of clouds SE.
,,	0·7	,,	0.5	slight	Partially clouded with ⌒ and ⌒; motion of clouds SE. A few drops of rain at 2 A. M.
W	0·5	W	0·4	nothing	Clouded with ⌒ and ⌒ moving SE; mist.
SW	0·5	SW	0·3	,,	Partially clouded with ⌒ and ⌒ moving SE; mist.
WSW	0·5	WSW	0·4	,,	Clouded with ⌒ moving NE; mist.
W	0·5	WNW & NW	0·7	,,	Clouded with ⌒ and ⌒ moving SE; dew, mist.
,,	0·5	W	0·5	,,	Densely clouded with ⌒ and fleecy clouds moving SE; mist.
WNW	0·4	,,	0·7	,,	Clouded as before; mist.
,,	0·7	NW	1·1	,,	Partially clouded with ⌒, ⌒ and fleecy clouds; their motion was SE; mist.
,,	0·7	,,	0·8	,,	Fleecy clouds and ⌒ scattered about moving SE; mist.
NW	0·7	,,	1·0	,,	Clouded as before; dew.
,,	0·6	,,	0·7	,,	Partially clouded with ⌒, ⌒ and fleecy clouds moving E.
W	0·3	W	0·2	,,	Clouded with ⌒ moving SE; mist.
WSW	0·4	SW	0·3	,,	Clouded with ⌒ moving NE; mist.
,,	0·4	,,	0·3	,,	Clouded as before; mist.
SW	0·6	,,	0·5	,,	Clouded with ⌒ moving NE; a few drops of rain at 3h. 42m. A. M.
,,	0·4	,,	0·4	,,	Clouded with ⌒, motion NE; a few drops of rain at 4h. 16m.
,,	0·7	,,	0·3	slight	Clouded with ⌒, ⌒, ⌒, motion NE; lightning, thunder and slight rain.
,,	0·5	,,	0·3	nothing	Partially clouded with ⌒, ⌒; lightning and slight rain; rainbow.
,,	0·3	WSW	0·3	,,	Clouded with ⌒, ⌒, ⌒, motion NE; slight rain.
W	0·2	,,	0·2	,,	,, ,, ,,
,,	0·3	W	0·2	,,	Partially clouded with ⌒, ⌒, ⌒, motion E; slight rain.
,,	0·4	WSW	0·2	,,	Partially clouded with ⌒ and ⌒, motion ESE; slight rain at 4 A. M.
,,	0·5	W	0·3	,,	Clouded with ⌒, ⌒, ⌒, motion E.
W	0·5	WNW	0·3	nothing	Partially clouded with ⌒, ⌒, motion SE.
,,	0·7	W	0·2	,,	Clouded with ⌒, ⌒, motion SE.
,,	0·4	,,	0·3	slight	Clouded with ⌒, ⌒, motion NE; lightning, thunder and rain after 11h. P. M.
S	1·2	S	1·4	,,	Clouded with ⌒, ⌒, ⌒, motion NE; lightning, thunder and rain.
SW	1·4	variable	0·5	sparks	Clouded with ⌒, ⌒, ⌒, ⌒, motion N; lightning, thunder and rain.
S	3·0	SSE	3·8	slight	⌒, ⌒, scattered about moving NE; lightning, rain and strong wind.
SSE	6·7	SE	4·5	nothing	⌒, ⌒ scattered about moving NE; rain and very strong wind.
SSE	1·5	S	2·5	,,	⌒, ⌒ scattered about moving N; rainy season regularly set in.
S	2·0	,,	1·3	,,	⌒, ⌒, ⌒ scattered about, motion NNE; wind and rain.
S	0·8	,,	0·6	,,	Densely clouded with ⌒ moving NE; lightning and rain.
SW	0·4	SW	0·6	,,	Overcast, motion NE; heavy shower of rain.
,,	7·0	,,	2·2	,,	Overcast with ⌒, motion NE; rain.
,,	3·0	SW & S	0·4	,,	Overcast; motion NE; light rain.
S	0·3	S	0·3	,,	Overcast; motion NE; rain.
SW	1·0	SW	1·0	,,	Densely clouded, motion NE; rain.
,,	1·2	WSW	1·3	,,	,, ,, ,,
,,	3·7	WSW	2·7	,,	Overcast; motion NE; rain.
,,	1·2	SW	1·5	,,	Nearly overcast; motion NE; a few drops of rain.
SSW	1·7	SSW	1·2	,,	Densely clouded; motion NE; rain.
,,	1·0	SW	1·2	,,	Densely clouded; motion NE; rain.
SW	2·0	,,	2·7	,,	Densely clouded; motion NE; slight rain.
,,	1·7	,,	1·5	,,	Nearly overcast; motion E; rain.
,,	0·6	,,	0·3	,,	Densely clouded; motion NE; slight rain.
,,	0·4	,,	0·3	,,	Overcast; motion ENE; slight rain.
,,	0·4	,,	0·3	,,	Densely clouded with ⌒, ⌒, ⌒, motion ENE; a few drops of rain.

TABLE IV.—*Showing, in the Months of July and August, the Greatest and Least Readings of Barometer, Maximum Tension of Electricity; and the state of*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind.			
															Before Sunrise.		After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.		lb.		lb.
JULY 1863.	1	Perigee.	29·712	29·644	0·068	89·0	80·8	8·2	81·0	76·8	4·2	0·949	0·860	0·089	SW	0·3	SW	0·3
	2		·668	·591	·077	87·8	79·7	8·1	80·5	75·2	5·3	·946	·810	·136	,,	0·3	,,	0·3
	3		·644	·582	·062	87·6	79·7	7·9	80·3	76·0	4·5	·964	·810	·154	,,	0·2	,,	0·3
	4		·687	·600	·087	88·3	78·6	9·7	81·0	75·5	5·5	·956	·827	·129	,,	0·3	,,	0·3
	5																	
	6	Equator.	·640	·565	·075	87·5	78·0	9·5	80·0	75·4	4·6	·922	·836	·086	,,	0·5	,,	1·2
	7		·562	·494	·068	83 0	78·4	4·6	79·0	75·3	3·7	·931	·849	·082	,,	0·8	WSW	1·5
	8	☾	·535	·466	·069	81·4	78·0	3·4	78·4	75·5	2·9	·927	·840	·087	W	1·2	W	0·2
	9		·546	·468	·078	82·3	76·1	6·2	79·0	74·7	4·3	·934	·824	·110	WSW&NW	0·1	E	0·6
	10		·633	·503	·130	83·7	76·4	7·3	80·5	75·2	5·3	·982	·845	·137	W	0·5	SW	0·5
	11		·658	·577	·081	86·6	78·6	8·0	80·5	76·0	4·5	·957	·832	·125	SW	0·2	,,	0·1
	12																	
	13	Gtst. N. Dec.	·760	·645	·115	82·0	75·8	6·2	79·0	75·0	4·0	·941	·834	·107	,,	1·5	S & SW	0·2
	14		·808	·714	·094	86·3	78·5	7·8	80·2	75·6	4·6	·946	·839	·107	W	0·4	W	0·2
	15	Apogee.	·790	·705	·085	87·7	79·3	8·4	80·5	76·0	4·5	·953	·821	·132	WSW	0·6	WSW	0·7
	16	●	·739	·680	·059	87·0	78·0	9·0	80·0	75·0	5·0	·928	·811	·117	SW	1·0	SW	1·6
	17		·756	·671	·085	86 8	78·0	8·8	80·4	75·5	4·9	·944	·824	·120	,,	1·2	SSW	1·2
	18		·763	·677	·086	85·2	76·3	8·9	80·0	74·2	5·8	·949	·804	·145	,,	1·0	SW	2·5
	19																	
	20	Equator.	·675	·595	·080	85·1	78·7	6·4	80·0	75·5	4·5	·966	·833	·133	,,	2·3	WSW	1·5
	21		·718	·639	·079	86·6	78·8	7·8	80·5	76·3	4·2	·960	·855	·105	WSW	0·7	W	0·5
	22		·696	·621	·075	86·5	78·0	8·5	80·5	75·2	5·3	·960	·798	·162	W & WSW	0·6	WSW	1·2
	23		·637	·559	·078	82·0	75·8	6·2	78·5	75·0	3·5	·938	·832	·106	W	0·7	W	0·5
	24	☽	·649	·555	·094	80·5	75·6	4·9	77·8	74·5	3·3	·903	·827	·076	,,	2·5	,,	1·0
	25		·648	·568	·080	79·8	75·8	4·0	77·5	75·0	2·5	·900	·843	·057	WSW	1·4	WNW	0·7
	26																	
	27	Gtst.South Dec.	·631	·554	·077	85·0	78·8	6·2	80·0	76·0	4·0	·946	·846	·100	W	1·0	WSW	0·7
	28		·639	·566	·073	86·1	78·2	7·9	80·0	76·0	4·0	·939	·834	·105	,,	1·0	W	0·6
	29		·697	·603	·094	83·0	76·5	6·5	78·8	75·2	3·6	·931	·823	·108	WSW	1·6	SW	0·6
	30	Perigee ○	·698	·627	·071	83·4	78·2	5·2	79·2	75·6	3·6	·930	·838	·092	SW	0.4	WSW	0·5
	31		·681	·600	·081	81·2	78·0	3·2	78·0	75·8	2·2	·917	·845	·071	,,	0·8	,,	2·0
AUGUST 1863.	1		29.747	29·637	0·110	85·5	79·2	6·3	79·5	76·0	3·5	0·920	0·838	0·082	SW	0·7	SW	0·5
	2	Equator.																
	3		·765	·690	·075	84·0	78·6	5·4	78·5	76·0	2·5	·914	·838	·076	,,	0·7	WSW	0·6
	4		·725	·649	·076	85·3	78·5	6·8	79·5	76·0	3·5	·927	·847	·080	,,	1·0	,,	0·5
	5		·751	·675	·076	85·6	76·8	8·8	78·0	74·5	3·5	·888	·813	·065	,,	0·6	,,	0·9
	6	☾	·758	·682	·076	85·7	78·4	7·3	80·1	75·2	4·9	·948	·825	·123	WSW	0.4	W	0·5
	7		·726	·663	·063	85·3	79·0	6·3	79·5	75·5	4·0	·937	·813	·124	,,	0·4	WSW	0·7
	8		·738	·661	·077	86·0	77·7	8·3	80·5	75·5	5·0	·973	·835	·138	W	0·7	W	0·6
	9	Gtst. N. Dec.																
	10		·721	·625	·096	84·5	76·7	7·8	77·5	74·0	3·5	·879	·794	·075	WSW	0·5	WSW	0·6
	11		·669	·571	·098	82·8	76·8	6·0	79·3	75·0	4·3	·944	·821	·123	W	0·7	WNW	1·3
	12	Apogee.	·619	·552	·067	79·0	76·0	3·0	77·0	75·0	2·0	·899	·828	·071	,,	1·2	W	1·5
	13		·600	·524	·076	80·5	76·0	4·5	78·0	75·0	3·0	·911	·832	·079	,,	3·0	,,	1·5
	14	●	·635	·537	·098	79·8	75·0	4·8	78·3	74·3	4·0	·948	·809	·139	WSW	7·0	WSW	1·7
	15		·659	·577	·082	82·8	75·0	7·8	79·2	74·0	5·2	·948	·816	·132	SW	1·0	SW	0·6
	16																	
	17	Equator.	·677	·606	·071	83·8	76·8	7·0	78·2	75·0	3·2	·915	·834	·081	WSW	0·5	WSW	0·7
	18		·692	·616	·076	82·8	76·7	6·1	78·5	74·3	4·2	·909	·809	·100	,,	0·6	,,	0·6
	19		·757	·666	·091	82·0	75·4	6·6	78·0	74·4	3·6	·902	·818	·084	SW	0·9	SW	0·7
	20		·799	·702	·097	83·8	76·8	7·0	80·0	75·5	4·5	·959	·838	·121	,,	0·4	WSW	0·6
	21		·837	·742	·095	84·4	77·0	7·4	79·4	75·0	4·4	·938	·823	·115	WSW	0·6	,,	0·4
	22	☽	·780	·700	·080	84·2	76·4	7·8	78·3	74·5	3·8	·909	·819	·090	,,	0·5	,,	0·7
	23	Gtst.South Dec.																
	24		·803	·691	·112	83·8	76·0	7·8	79·2	74·3	4·9	·937	·799	·138	SW	0·6	SW	0·7
	25		·846	·762	·084	84·5	77·8	6·7	78·5	75·0	3·5	·908	·815	·093	W	0·3	NNW	0·4
	26		·833	·721	·112	84·5	77·8	6·7	79·0	75·5	3·5	·915	·834	·081	,,	0·4	W	0·3
	27	Perigee.																
	28		·834	·722	·112	83·6	76·4	7·2	77·6	74·4	3·2	·888	·816	·072	NW	0·2	NW	0·4
	29	○	·796	·711	·085	85·0	76·8	8·2	79·0	75·0	4·0	·906	·806	·100	SW	0·1	variable	0·2
	30	Equator.	·788	·688	·100	84·2	77·4	6·8	78·4	75·0	3·4	·884	·825	·059	NW	0·2	WNW	0·4
	31																	

Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum Force of Wind; Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	Weather.
Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.		
	lb.		lb.		
SW	0·4	SW	1·0	nothing	Densely clouded with ⅄ı, ⅄ı, motion ENE; very slight rain.
,,	0·4	,,	0·5	,,	,, ,, slight rain.
,,	0·4	,,	0·2	,,	Overcast with ⅄ı, motion ENE; light rain afternoon.
,,	0·4	,,	1·5	,,	Overcast with ⅄ı, motion E; light rain.
,,	0·3	SSW	0·7	,,	Overcast with ⅄ı, motion ENE; very light rain.
,,	1·2	SW	1·2	,,	,, ,, light rain.
,,	0·2	,,	0·4	slight	,, ,, smart showers of rain.
SSW	0·3	,,	0·5	,,	Overcast with ⅄ı, motion variable; smart showers of rain.
SW	0·2	,,	0·3	none	Overcast with ⅄ı, motion ENE; smart showers of rain.
,,	0·4	,,	0·2	,,	Clouded with ⅄ı and ⅄ı, motion E; light rain.
W	0·4	W	0·2	,,	Overcast with ⅄ı moving ENE; smart showers of rain.
,,	0·6	,,	0·3	,,	Densely clouded with ⅄ı, motion ENE, light rain; a slight shock of earthquake at 10h. 40m. P. M.
SW	0·6	SW	0·6	,,	Densely clouded with ⅄ı and ⅄ı, motion E; slight rain.
SSW	2·0	SSW	0·6	,,	Nearly overcast with ⅄ı, motion E; light rain.
SW	1·5	SW	1·5	,,	,, ,, ,, ,,
,,	2·2	,,	1·5	,,	⅄ı scattered about moving E; smart showers of rain.
WSW	1·5	WSW	2·5	,,	Densely clouded with ⅄ı moving E; light rain.
W	1·0	,,	0·7	,,	,, ,, ,,
,,	0·4	W	0·5	,,	Overcast with ⅄ı, motion E; light rain.
WNW	2·7	WSW	1·2	,,	,, ,, smart showers of rain.
W	0·9	W	0·8	,,	Overcast, motion E; smart showers of rain.
,,	0·8	WNW	0·7	,,	Overcast with ⅄ı, motion E; passing showers of rain.
,,	0·7	W	0·7	,,	Densely clouded with ⅄ı, motion E; light rain.
WSW	0·7	SW	0·5	,,	,, ,, ,,
SW	1·3	,,	0·7	,,	Overcast with ⅄ı, motion ENE; smart showers of rain.
WSW	1·2	,,	0·5	,,	Densely clouded with ⅄ı, motion E; light rain.
SW	0·8	,,	0 6	,,	Overcast with ⅄ı, motion ENE; light rain.
SW	0·6	SW	0·6	nothing	Densely clouded with ⅄ı, motion ENE; rain at 9h. A. M.
,,	0·6	,,	0·6	,,	Overcast with ⅄ı, motion ENE; rain at 1 and 10 A. M.
,,	0·5	,,	0·5	,,	,, ,, rain at 9h. A. M.
W	0·5	W	0·3	,,	Overcast with ⅄ı, motion E; rain at 7 and 8h. A. M.
WSW	0·5	WSW	0·5	,,	Densely clouded with ⅄ı, ⅄ı, ⅄ı, motion E; a few drops of rain at 4 A. M.
W	0·6	W	0·3	,,	,, ,, ,, light rain at 4 P.M.
WSW	0·4	WSW	0·4	,,	Clouded with ⅄ı and ⅄ı, motion ENE; light rain at 6 A. M.
W	0·3	,,	0·5	,,	Clouded with ⅄ı, motion ENE; light rain.
,,	0·7	W	0·9	,,	Overcast with ⅄ı, motion E; light rain.
,,	0·8	,,	0·7	,,	Overcast with ⅄ı, motion E; smart showers of rain.
WSW	2·0	WSW	5·0	,,	,, ,, strong wind; light rain.
SW	4.0	SW	2·7	,,	Overcast with ⅄ı, motion ENE, strong wind; smart showers of rain.
,,	0.6	,,	0·5	,,	Overcast with ⅄ı, motion ENE; light rain.
SW	0·3	WSW	0·5	,,	Densely clouded with ⅄ı; light rain.
WSW	0·5	SW	0·6	,,	,, ,, ,,
SW	0·6	,,	0·6	,,	Nearly overcast with ⅄ı; showers of rain now and then.
WSW	0·4	WSW	0·3	,,	Nearly overcast with ⅄ı, motion ENE; light rain.
,,	0·3	,,	0·4	,,	,, ,, ,,
,,	0·5	SW	0·4	,,	,, ,, ,,
,,	0·5	W	0·4	,,	,, ,, ,,
,,	0·2	variable	0·3	,,	Densely clouded with ⅄ı, moving E; no rain.
WNW	0·3	NW	0·3	,,	Clouded with ⅄ı, ⅄ı, ⅄ı, moving E; light rain at 10 A.M.
,,	0·2	,,	0·3	,,	Partially clouded with ⅄ı and ⅄ı; light rain in the morning.
,,	0·6	,,	0·6	,,	Densely clouded with ⅄ı; smart showers of rain in the morning.
NW	0·4	,,	0·1	,,	Clouded with ⅄ı, ⅄ı, and ⅄ı; no rain.
					Densely clouded with ⅄ı; lunar-halo.

TABLE V.—*Showing, in the Months of September and October, the Greatest and Least Readings of Barometer, Force of Wind; Maximum Tension of Electricity; and the*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind. Before Sunrise.		After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.				
SEPTEMBER 1863.	1		29·754	29·657	0·097	83·5	75·0	8·5	78·2	74·0	4·2	0·887	0·815	0·072	N & NE	0·2	SSE	0.2
	2		·749	·660	·089	84·6	75·6	9·0	79·0	74·0	5·0	·915	·807	·108	S	0·5	S	0·3
	3		·769	·675	·094	82·7	76·0	6·7	78·4	75·0	3·4	·905	·810	·095	,,	0·4	SSE	0·3
	4		·779	·683	·096	82·8	75·0	7·8	78·0	75·0	3·0	·886	·819	·067	variable	0·1	NNE	0·2
	5	☾ Gtst. N. Dec.	·756	·665	·091	82·2	75·8	6·4	77·1	74·0	3·1	·870	·801	·069	SE	0·5	S	0·2
	6																	
	7		·737	·652	·075	77·4	73·5	3·9	75·4	72·5	2·9	·847	·771	·076	NW	0·8	NW	0·3
	8	Apogee.	·780	·682	·098	83·2	74·2	9·0	78·2	73·0	5·2	·904	·788	·116	sw & wnw	0·2	variable	0·3
	9		·803	·705	·098	84·6	77·0	7·6	79·0	74·5	4·5	·917	·813	·104	W	0·2	W	0·3
	10		·805	·694	·111	83·0	74·9	8·1	79·0	74·0	5·0	·937	·798	·139	NW	0·5	WNW	0·2
	11		·794	·691	·103	83·8	75·5	8·3	78·0	74·5	3·5	·898	·810	·088	SE	0·4	,,	0·3
	12		·820	·713	·107	84·5	77·0	7·5	80·0	75·0	5·0	·951	·827	·124	W	0.1	,,	0·4
	13	Equator. ●																
	14		·847	·766	·081	86·5	75·8	10·7	79·5	74·0	5·5	·909	·807	·102	WSW	0·4	W	0·4
	15		·824	·731	·093	85.5	75·5	10·0	79·0	74·0	5·0	·915	·783	·132	W	1·0	SW	0·6
	16		·827	·722	·105	85·8	76·7	9·1	79·2	74·5	4·7	·930	·802	·128	SW	0·8	variable	0·4
	17		·819	·728	·091	84·4	75·0	9·4	79·0	74·0	5·0	·911	·787	·124	WSW	0·5	W	0·2
	18		·847	·745	·102	84·4	75·0	9·4	78·2	73·3	4·9	·886	·779	·107	ENE	0.2	S	0·2
	19		·858	·768	·090	85·4	75·5	9·9	79·1	72·5	6·6	·905	·755	·150	variable	0·2	SE	0·4
	20	Gtst. S. Dec. ☽																
	21		·807	·713	·094	85.3	77·2	8·1	77·8	73·0	4·8	·872	·748	·124	W	0·2	W	0·1
	22		·824	·721	·103	85·8	75·8	10·0	78·0	72·3	5·7	·873	·746	·127	W&NW	0·3	variable	0·2
	23		·845	·752	·093	86·0	77·0	9·0	77·0	72·5	4·5	·849	·734	·115	W	0·2	W	0·2
	24	Perigee.	·897	·780	·117	84·9	78 2	6·7	76·4	74·0	2·4	·836	·753	·083	NW	0·4	NW	0·6
	25		·897	·775	·122	86·2	76·7	9·5	78·2	73·5	4·7	·884	·774	·110	NW&N	0·2	NNE	0·2
	26	Equator.	·859	·749	·100	86·3	78·6	7·7	78·3	74·6	3·7	·871	·780	·091	NW	0·6	NW	0·4
	27	○																
	28		·866	·777	·089	85·4	77·2	8·2	77·8	73·2	4·6	·868	·762	·106	calm	0·1	,,	0·2
	29		·874	·766	·108	85·0	75·6	9·4	78·0	74·0	4·0	·878	·794	·084	,,	0·2	NE	0.3
	30		·869	·770	·099	85·6	76·6	9·0	77·2	74·0	3.2	·877	·779	·098	,,	0·2	N& NNW	0·3
OCTOBER 1863.	1		29·856	29·735	0·121	86·6	77·2	9·4	78·4	74.0	4·4	0·861	0·763	0·098	N	0·2	NNE	0·2
	2		·818	·709	·109	88·0	77 1	10·9	78·6	74·2	4·4	·886	·795	·091	NNW	0·3	,,	0·2
	3	Gtst. N. Dec.	·826	·732	·094	88·5	77·0	11·5	79·2	75·0	4·2	·878	·806	·072	NW	0·2	variable	0·2
	4																	
	5	☾	·829	·720	·109	88·0	79·2	9·0	78·4	75·0	3·4	·898	·793	·105	,,	0·5	NE	0·2
	6	Apogee.	·832	·730	·102	88 0	78·2	9·8	79·5	75·6	3·9	·909	·816	·093	,,	0·3	,,	0·2
	7		·872	·775	·097	87·8	79·3	8·5	79·0	76·0	3·0	·898	·835	·063	NNW&NNE	0·3	,,	0·3
	8		·883	·793	·090	88·7	78·6	10·1	79·3	76·0	3·3	·930	·813	·117	NNE	0·4	,,	0·2
	9		·920	·810	·110	88·2	78·4	9·8	78·0	75·0	3·0	·898	·763	·135	NW	0·3	,,	0·3
	10	Equator.	·888	·769	·119	88·2	77·2	11·0	78·6	74·0	4·6	·919	·780	·139	,,	0·2	,,	0·1
	11																	
	12	●	·900	·789	·111	87·8	77·0	10·8	79·4	74·0	5·4	·913	·794	·119	W	0·4	NNE	0·2
	13		·909	·800	·109	87·3	76·9	10·4	79·0	74·0	5·0	·898	·748	·150	NW	0·6	N	0·2
	14		·873	·727	·146	89·4	76·6	12·8	80·0	72·0	8·0	·913	·724	·189	,,	0·5	N	0·3
	15		·881	·745	·136	88·2	77·0	11·2	80·1	75·0	5·1	·926	·821	·105	S	0·8	variable	0 2
	16		·862	·755	·107	90·0	79·6	10·4	81·6	77·0	4·6	·962	·869	·093	NW	0·2	N	0·2
	17	Gtst. S. Dec.	·827	·715	·112	89·2	78·3	10 9	81·0	75·0	6·0	·949	·812	·137	,,	0·2	N	0·2
	18																	
	19		·817	·713	·104	90·4	77·5	12·9	80·0	74·0	6·0	·898	·704	·194	NNE	0·7	NE	0·4
	20	☽	·785	·614	·171	91·4	79·0	12·4	79 5	68·3	11·2	·942	·556	·386	,,	1·0	ENE	0·8
	21	Perigee.	·863	·663	·200	90·6	76·0	14·6	79·0	73·5	5·5	·891	·720	·171	E	2 0	ESE	1·3
	22		·884	·752	·132	87 6	76·0	11·6	79·2	74·5	4·7	·926	·805	·121	,,	0·4	,,	0·4
	23	Equator.	·896	·785	·111	85·7	77·1	8·6	78·0	74·0	4·0	·903	·779	·124	,,	0·3	SSE	0·5
	24		·891	·775	·116	87·5	77·0	10·5	78·8	74·5	4·3	·871	·811	·060	ESE	0·5	ESE	0·3
	25																	
	26	○	·842	·716	·126	86·6	77·6	9·0	77·7	74·0	3·7	·861	·761	·100	S	0·6	SSE	1·0
	27		·798	·675	·123	81·8	73.5	8·3	76·5	68·5	8·0	·853	·619	·234	SW	3·5	NW	1·8
	28		·948	·785	·163	83·6	73·0	10·6	72·3	68 0	4·3	·753	·623	·130	E	0·6	ESE	0·5
	29		30·001	·866	·135	85·8	71·7	14·1	75·2	68·0	7·2	·787	·637	·150	N	0·2	NE	0·3
	30	Gtst. N. Dec.	29·974	·836	·138	87·0	73·0	14·0	75·2	68·0	7·2	·794	·623	·171	,,	0·3	NE	0·2
	31		·907	·784	·123	87·5	73·2	14·3	77·2	69 0	8 2	·862	·617	·245	NNW	0·2	ENE	0·3

Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum state of Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	WEATHER.
Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.		
NW	0·3	NW	0·2	nothing	Densely clouded with Cu. moving E; light rain in the morning.
WNW	0·2	,,	0·3	,,	Cu., Cu. and Ci. scattered about the sky, motion ENE; lunar-halo.
NW	0·2	,,	0·2	,,	Cu., Cu. and Ci., motion ESE and ENE; lunar-halo; light rain.
,,	0·4	variable	0·3	,,	Overcast, motion SE; rain in the morning.
variable	0·4	,,	0·4	,,	Overcast, motion ESE; smart showers of rain.
,,	0·3	SW	0·3	,,	Overcast, motion ESE; smart showers of rain.
W	0·2	W	0·2	,,	Cu., Cu., Ci., motion variable; smart showers of rain.
,,	0·3	,,	0·2	,,	Densely clouded with Cu., Cu. and Ci., motion E; light rain after 9 P.M.
WNW	0·8	variable	0·6	,,	Overcast, motion E; smart showers of rain in the morning.
,,	0·7	WNW	0·6	,,	Densely clouded with Cu. and Cu., motion E or SE; rain fell before noon.
W	0·6	SW	0·1	,,	Partially clouded with Cu., Ci. and Cu., motion SE; mist in hor.; light rain.
WSW	0·6	,,	0·5	,,	Densely clouded with Cu., Ci. and Cu., motion E; mist in hor.; rain after Sunset.
,,	0·4	,,	0·2	,,	Clouded with Cu., motion E; rain in the morning.
SW	0·3	,,	0·2	,,	Partially clouded with Cu., Ci. and Cu., motion SE; rain fell at 9 and 12 h.
variable	0·6	variable	0·2	,,	Densely clouded with Cu., Ci. and Cu., motion unsteady; light rain.
WSW	0·3	WNW	0·4	,,	Partially clouded with Cu., Ci. and Cu., motion NE; rain-bow in the morning; rain fell in the morning.
W	0·4	NW	0·5	,,	Cu., Cu. and Ci. scattered about; mist in hor. in morning.
W	0·3	W	0·2	,,	Partially clouded with Cu., Ci., Cu., motion E; mist in hor.
W & WSW	0·3	W	0·1	,,	Partially clouded with Cu., Ci., Cu., motion E; mist in hor.; drops of rain at 6 A. M.
NW	0·3	NW	0·2	,,	Cu. afternoon; Cu., Cu. scattered about, motion E; drops of rain in the morning.
,,	0·4	,,	0·4	,,	Clouded with Cu., Ci., and Cu., motion SE; rain fell between 9 h. and 10½ h. A. M.
,,	0·6	,,	0·7	,,	Cu. afternoon; Cu., Cu., and Ci. scattered about, motion SE; mist in hor.
,,	0·7	,,	0·7	,,	Cu. afternoon; Cu., Cu., Ci. scattered about, motion SE; mist; lunar-halo.
,,	0·5	NNW	0·4	,,	Cu. in hor. afternoon; Cu., Cu., Ci. scattered about, motion SE; light rain; mist.
,,	0·3	NW	0.4	,,	Cu., Cu., Cu., Ci. scattered about; mist and dew.
,,	0·3	,,	0·3	,,	,, ,, ,,
NW	0·3	NNW	0·4	nothing	Cu., Cu., Ci. scattered about, motion southward; mist and dew; lunar-halo and drops of rain.
,,	0.3	NW	0 5	,,	Cu., Cu. and Ci. scattered about, motion SE; mist and dew.
W & NW	0·4	,,	0·3	,,	Partially clouded with Cu., Cu., Ci., Cu., motion SE; dew and rain.
NW	0·4	,,	0·4	,,	Cu., Cu., Cu., Ci. scattered about, motion SE.; drops of rain.
WNW	0·5	,,	0·6	,,	,, ,, drops of rain and lightning in NE hor.
,,	0·5	WNW	0·5	,,	,, ,, no rain.
W	0·5	NW	0 6	,,	Partially clouded with Cu., Cu., Ci., Cu., motion SE; mist.
NW	0·5	,,	0·6	,,	Cu., Cu. and Ci. about hor.; dew and mist.
,,	0·4	NNW	0·3	,,	A few Ci. in NE hor. in the morning; mist and dew.
,,	0·5	NW	0·3	,,	Partially clouded with Cu., Cu., Ci., motion SE; dew fell at night.
,,	0·8	,,	0 4	,,	Partially clouded with Ci., Cu., motion SE; Cu. in hor. afternoon; mist and dew.
,,	0·9	variable		1,900	Cu., Cu., Cu., Ci., Cu. scattered about, motion SE; lightning, thunder, rain, strong wind; rain-bow.
,,	0·5	NW	0·5	500	Partially clouded with Cu., Cu., Cu., Ci., motion SE and W; lightning, thunder and rain; rain-bow.
,,	0·5	,,	0·5	none	Partially clouded with Ci., Cu., Cu., motion SE; lightning after sunset; dew at night.
,,	0·3	,,	0·3	,,	Partially clouded with Ci., Cu., Cu.; lightning, mist, fog and dew.
,,	0·4	NNW	0·7	none	Ci. scattered about, motion SE; dew and lunar-halo.
NNW	1·4	N & NE	0·8	+ 16	Cu., Cu., Cu., Cu., Ci. scattered about; lightning at night; fresh breezes of spring.
SSE	1·4	SW	1·5	— 800	Cu., Cu., Cu., Cu., Ci., Cu., motion W; lightning, thunder, rain and wind breezes.
SW	0·3	SSW	0·3	none	Cu., Cu., Cu., Cu., Ci., Cu., motion W; lightning, thunder and a few drops of rain.
S	0·6	S	0·6	+ 6	Cu., Cu., Ci., Cu., motion WNW; lightning, dew at night.
WSW	0·3	WSW	0·2	+ 2	Cu., Cu., Ci., Cu., motion N; lightning, mist and fog.
SSW	0·9	S	2·7	+ 4	Cu., Cu., Ci., Cu., motion N; lightning, rain and wind strong.
NW	1·3	NW	0·4	+ 2	Clouded as before, motion SE or NE; rain and strong wind.
,,	0·4	NNW	0·4	none	Ci. and Cu. about; dew fell at night; mist.
,,	1·0	N	0·8	,,	A few Ci.; mist, fog, dew.
,,	0·5	NNW	0·6	+ 10	Ci. and Cu. scattered about hor.; dew and mist.
,,	0·5	,,	0·4	+ 8	A few pieces of Cu. in hor.; dew and mist.

TABLE VI.—*Showing, in the Months of November and December, the Greatest and Least Readings of Barometer, Maximum Tension of Electricity; and the state of*

	Days of the Month.	Phases of the Moon.	Standard Barometer corrected for Temperature.			Temperature of External and Free Air.			Wet Bulb Thermometer.			Pressure of Moisture.			Wind. Before Sunrise.		Wind. After Sunrise.	
			Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Greatest.	Lowest.	Daily Range.	Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.
			in.	in.	in.	°	°	°	°	°	°	in.	in.	in.		lb.		lb.
NOVEMBER 1863.	1	☾																
	2		29·940	29·803	0·137	87·4	73·4	14·0	74·7	68·2	6·5	0·748	0·560	0·188	N	0·5	ENE	0·2
	3	Apogee. ☾	·944	·806	·138	86·3	73·0	13·3	74·6	68·0	6·6	·787	·546	·241	„	0·3	NE	0·2
	4		·905	·789	·116	87·5	73·2	14·3	75·0	69·0	6·0	·799	·548	·251	E N E	0·2	E	0·3
	5		·888	·778	·110	86·2	73·5	12·7	77·0	70·5	6·5	·809	·698	·111	NE	0·4	ENE	0·1
	6	Equator.	·881	·774	·107	84·9	73·8	11·1	75·2	70·0	5·2	·800	·684	·116	S	0·3	E	0·2
	7		·920	·810	·110	85 4	73·0	12·4	74·0	70·0	4·0	·777	·590	·187	N	0·6	NE	0·3
	8																	
	9		·954	·827	·127	86·3	72·0	14·3	74·6	65·0	9·6	·772	·506	·266	NE	0·4	„	0·2
	10		·964	·838	·126	84·7	71·0	13·7	76·7	66·0	10·7	·830	·576	·254	N	0·3	„	0·1
	11	●																
	12		30·025	·872	·153	87·2	73·8	13·4	70·0	65·0	5·0	·684	·375	·309	NE	0·4	E	0·5
	13	Gtst. S. Dec.	29·978	·850	·128	84·2	70·6	13·6	72·0	63·0	9·0	·673	·400	·273	„	0·3	NE	0·5
	14		·943	·847	·096	84·4	69·2	15·2	76·0	64·5	11·5	·869	·496	·373	„	0·5	„	0·3
	15	Perigee.																
	16		·943	·808	·135	90·8	75·5	15·3	80·2	69·2	11·0	·918	·631	·287	N	0·2	NE	0·2
	17		·938	·838	·100	88·0	77·0	11·0	78·0	73·0	5·0	·867	·736	·131	„	0·3	„	0·4
	18	☽	·970	·852	·118	91·4	76·5	14·9	77·1	73·0	4·1	·844	·692	·152	„	0·2	„	0·2
	19	Equator.	·991	·867	·124	92 6	76·4	16·2	76·8	71·0	5·8	·865	·629	·236	„	0·1	E	0·6
	20		·983	·845	·138	91·4	76·5	14·9	75·5	71·5	4·0	·834	·595	·239	NE	0·2	NE	0·5
	21		·993	·850	·143	90·6	76·0	14 6	76·0	70·5	5·5	·778	·640	·138	N & NE	0·3	ENE	0·6
	22																	
	23		30·021	·912	·109	86·8	74·5	12·3	74·5	68·4	6·1	·715	·623	·092	NE	0·5	E	0 5
	24		·023	·906	·117	84·4	71·5	12·9	72·8	63·0	9·8	·757	·454	·303	E	0·4	„	0·4
	25	○	·008	·879	·129	84·8	68·1	16·7	71·0	57·7	13·3	·627	·348	·279	N	0·4	NNE	0·3
	26	Gtst. N. Dec.	29·983	·868	·115	83·8	66·5	17·3	72·0	56·0	16·0	·696	·339	·357	„	0·4	N	0·4
	27		·961	·848	·113	85·4	68·0	17·4	72·5	62·0	10 5	·695	·487	·208	NNW	0·2	NE	0·4
	28		·956	·855	·101	85 0	71·5	13·5	72·8	67·5	5·3	·749	·549	·200	NW	0·2	„	0·2
	29		30·011	·886	·125	83 8	72·0	11·8	73·2	68·0	5·2	·768	·602	·166	NNW	0·1	„	0·2
	30																	
DECEMBER 1863.	1	Apogee.	30.022	29·905	0·117	88·0	73·5	14·5	71·0	64·0	7 0	0·683	0·430	0·253	NE	0·4	ENE	0·5
	2		·034	·901	·133	89.2	71.6	17·6	71·0	61·0	10·0	·670	·364	·306	NNE	0·5	„	0·4
	3	☾	·038	·883	·155	89·6	71·0	18·6	66·4	60·0	6·4	·521	·267	·254	NE	0·5	NE	0·3
	4	Equator.	·014	·887	·127	90·3	72·0	18·3	72·5	62·0	10·5	·698	·301	·397	„	0·6	ENE	0·7
	5		29·990	.880	·110	85·8	72·0	13.8	73·8	61·2	12·6	.779	·405	·374	N	0·5	NE	0·4
	6																	
	7		·928	·814	·114	82·7	72·0	10·7	74·0	67·0	7·0	·798	·582	·216	NE	0.2	ENE	0·2
	8		·957	·846	·111	82·2	72·0	10·2	73·0	63·0	10·0	·707	·475	·332	NNW	0·2	N	0·2
	9		30·004	·895	·109	79·4	71·9	7·5	71·1	62·0	9·1	·684	·446	·238	„	0·2	NNW	0·2
	10		·039	·917	·122	82·6	71·3	11·3	74·0	65·0	9 0	.778	·535	·243	NE	0·2	NNE	0·3
	11	● Gtst. S. Dec.	29·999	·880	·119	83·7	70·6	13.1	74·5	67·2	7·3	·783	·604	·179	N	0·2	NE	0·2
	12	Perigee.	30·009	·911	·098	84·6	71·5	13·1	74·4	67·0	7·4	·757	·604	·153	NNE	0·2	„	0·2
	13																	
	14		·041	·931	·113	84·3	71·5	12.8	74·0	65·2	8·8	·759	·530	·229	NE	0·3	„	0·2
	15		·026	·914	·112	83 2	71·8	11·2	72·5	65·0	7·5	·683	·507	·176	„	0·5	„	0·2
	16		·018	·916	·102	83·0	69·0	14·0	72·0	62·0	10.0	.664	·454	·210	N	0·2	N	0·2
	17	Equator. ☽	29 993	·880	·113	81·5	66·0	15·5	70·5	57·0	13·5	·669	·326	·343	NNW	0·1	NNW & NNE	0·2
	18		·977	·864	·113	81·2	67·4	13·8	70·5	59·0	11·5	·679	·393	·286	NW	0·1	NE	0·2
	19		30 012	·898	·114	85·4	68·9	16·5	72·0	66·0	6·0	·681	·536	·145	„	0·1	„	0·2
	20																	
	21		·059	·958	·101	83·3	70·8	12·5	73·3	65·0	8·3	·741	·518	·223	N	0·2	„	0·2
	22		·064	·925	·139	81·8	67·4	14·4	70·5	62·0	8·5	·679	·460	·219	NNE & N	0·5	NNE	0·5
	23		·024	·902	·122	82·6	67·0	15·6	72·4	60·5	11·9	·675	·451	·224	N	0·2	NE	0·3
	24	Gtst. N. Dec.	·013	·888	·125	85·0	68·5	16·5	74·0	64·0	10·0	·738	·520	·218	„	0·2	E	0·6
	25	○	29·992	·874	·118	86·4	70·8	15 6	73·0	66·0	7·0	·683	·580	·103	N	0·2	NNE	0·2
	26																	
	27																	
	28	Apogee.	30·034	·917	·117	83·2	70·5	12·7	72·5	64·0	8·5	·695	·516	·179	NW	0·3	NW & N	0·2
	29		·019	·904	·115	81·5	67·5	14·0	71·0	60·0	11·0	·686	·439	·247	N	0·3	NE	0·2
	30		29·993	·876	·117	79·5	66·6	12·9	71·0	59·0	12·0	·661	·402	·259	„	0·1	NNE	0·2
	31	Equator.	·984	·862	·122	80·6	65 6	15·0	69·0	59.2	9·8	·593	·403	·190	„	0·2	„	0·3

Temperature of Air, Wet Bulb Thermometer and Pressure of Moisture; Mean Direction and Maximum Force of Wind; Weather for each day of Bombay Civil Time.

After Noon.		After Sunset.		Greatest daily Atmospheric Electricity.	WEATHER.
Mean Direction.	Maximum Force.	Mean Direction.	Maximum Force.		
WNW	0·7	NW	0·4	+ 10	Mist around hor. in the morning.
NW	0·6	N	0·4	+ 18	Mist around hor. during the day time; dew at night.
,,	0·3	NNW	0·2	+ 14	,, ,, ,,
W	0·2	NW	0·1	+ 20	⌒ and ⌒ in hor. in the morning and evening; mist and dew.
NW	0·7	NNW	0·3	none	Partially clouded with ⌒ and ⌒ in the morning; mist and dew.
,,	1·2	,,	0·8	+ 4	Mist in hor.; dew fell at night.
,,	0·3	NW	0·3	+ 25	A few clouds in hor. at 1 h. and 2 h. P.M.; mist and fog.
,,	0·6	NW & N	0·4	+ 10	A few clouds in hor. at 1 h. and 2 h. P.M.; mist and dew.
NNE & NW	0·3	NW & NNE	0·3	+ 30	Mist in hor.
NW	0·5	NNW	0·3	+ 14	,,
,,	0·4	NW	0·2	+ 14	A few clouds along the E hor. in the evening; mist in hor.
,,	0·4	NNW	0·5	+ 20	Partially clouded with ⌒ and ⌒, motion N; mist in hor.
,,	0·4	,,	0·4	+ 14	Partially clouded with ⌒ and ⌒, motion N; mist and dew.
,,	0·3	N	0·5	+ 20	,, ,, ,, ,,
W	0·4	,,	0·6	+ 18	Partially clouded with ⌒ and ⌒, motion N; lunar-halo, dew, mist.
N & W	0·3	NW	0·6	+ 4	Clouded with ⌒ and ⌒, motion N; mist in hor.
NW	0·4	NNW	0·4	+ 6	⌒ scattered about hor., motion NE; mist and fog.
,,	0·5	N	0·5	+ 14	A few ⌒ along the E hor. in the evening; mist and fog; dew.
NNW	1·0	,,	0 8	+ 24	A few ⌒ along the W hor. at 4 and 5 A.M.; mist and dew.
NW	1·0	NNW	1·5	+ 10	Mist and fog in hor.
,,	0·5	NW	0·3	+ 14	A few ⌒ in SE hor. in the morning; mist in hor.
,,	0·4	,,	0·4	+ 18	⌒ and ⌒ about hor.; mist and dew.
,,	0·5	,,	0·4	+ 14	,, ,,
,,	0·6	NNW	0 5	+ 4	Partially clouded with ⌒; dew and mist.
NE	0·4	N	0·7	+ 28	Light ⌒ scattered here and there; mist and fog.
variable	0·5	NNW & SNE	0·4	+ 26	Partially clouded with ⌒; mist and fog.
N	0·6	N & NNE	0·4	+ 12	Partially clouded with ⌒; mist and fog.
NW	0·6	NNW	0·4	+ 16	⌒ scattered about horizon; mist and fog.
,,	0·6	,,	0·3	+ 24	A few ⌒ in horizon at midnight; mist and fog.
,,	0·8	,,	0·7	+ 12	Partially clouded with ⌒ and ⌒; mist and fog.
,,	0·6	,,	0·7	+ 10	Partially clouded with ⌒, ⌒ and ⌒; lightning at night; dew, mist.
NNW	0·5	N	0·4	+ 14	Densely clouded with ⌒, ⌒, ⌒; lightning; mist.
,,	0·8	,,	0·6	+ 10	Densely clouded with ⌒, ⌒ and ⌒; lightning at night.
NW	0·5	,,	0·3	+ 14	Partially clouded with ⌒, ⌒ and ⌒; lightning, mist and fog.
,,	0·7	NNW	0·6	+ 8	Partially clouded with ⌒ and ⌒; dew and mist.
,,	0·5	N & NNE	0·6	+ 4	A few ⌒ at 5 and 6 h. P.M. in NW hor.; dew, mist and fog.
,,	0.5	NNW	0·6	nothing	Partially clouded with ⌒; mist.
,,	0·6	,,	0·5	+ 4	,, ,,
,,	0·6	NW	0·4	+ 10	A few ⌒ at 10 h. P.M.; mist.
,,	0·6	,,	0·4	+ 26	⌒ scattered around hor.; dew, mist.
,,	0·5	,,	0·5	+ 20	⌒ scattered about hor.; mist and dew.
NNW	0·8	NNW	1·0	none	⌒ scattered about hor.; mist and dew.
,,	0·7	N	0·5	+ 4	Cloudless; mist and dew.
,,	0·6	,,	0·7	+ 28	,, ,,
NW	0·5	NW	0·6	+ 20	,, ,,
,,	0·5	N	0·3	+ 6	⌒ scattered about hor.; mist and dew.
NW & NNW	0·6	NNW	0·7	+ 4	⌒ and ⌒ scattered about hor.; mist and dew.
NW	0·6	N	0·5	nothing	A few ⌒ in SW in the evening; mist.
,,	0·6	NW & NNW	0·2	+ 24	⌒ scattered about hor.; mist.
,,	0·7	,,	1·0	+ 20	Cloudless; dew and mist.

STANDARD BAROMETERS.

TABLE VII.—*Mean Height of Standard Barometer (No. 58), corrected for Temperature, for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1			29·847	29·819	29·797		29·676	29·692	29·710	29·785		29·951
2	29·938	29·929		.769	.814	29·662	.634		.705	.763	29·862	.963
3	.949	.891	·817			.646	.615	.716	.720	.776	.865	.959
4		.853	.822	.712	.771	.665	.646	.685	.734		.839	·947
5	.958	.846	.817		.780	.677		.713	.714	.771	.822	.924
6	.909	.869		.780	.736	.635	.608	.718		.778	.823	
7	.929	.911	.798	.759	.751		.533	.695	.695	.816	.860	.865
8	.941			.767	.736	.577	.500	.700	.730	.837		.898
9	.964	.872	.830	.756	.734	.574	.504		.755	.855	.884	.950
10	.979	.847	.832	.796		.633	.560	.674	.751	.829	.896	.973
11		.837	.848	.785	.725	.669	.613	.618	.734			.938
12	.972	.843	.851		.715	.669		.580	.767	.842	.935	.956
13	.929	.859	.836	.737	.701	.672	.706	.562		.855	.912	
14	.909	.878	.812	.737	.701		.764	.586	.809	.819	.888	.976
15	.939			.743	.709	.616	.755	.619	.776	.818		.967
16	.953		.853	.725	.709	.566	.709		.760	.803	.868	.958
17	.968	.862	.826	·692		.548	.709	.643	.763	.771	.881	.931
18		.862	.808	.665	.652	.550	.716	.662	.795		.903	.921
19	.982	.901	.835		.690	.572		.709	.808	.753	.916	.949
20	.965	.939	.844	.698	.722	.525	.639	.755		.696	·909	
21	.908	.925	.872	.685	.729		.671	.783	.759	.748	.910	.997
22	.988			·684	.733	.510	.660	.739	.767	.819		·989
23	30.018	.917	.865	.705	.743	.557	.600		.793	·845	.954	.960
24	29.899	.929	.894	.736		.604	.594	.759	.833	·841	.954	.951
25		·908	.892	.734	.775	.588	.611	.793	.829		.944	.931
26	.929	.894	.872		.780	.566		.772	.808	.772	.919	
27	.931	.877	.826	.773	.764	·578	.600			.742	·892	
28	.903	.854	.815	.795	.741		.609	.769	.815	.878	.908	.961
29	.867			.796	.729	.632	.658	.756	.813	.928	.943	.956
30	.871		.816	.803	.718	.662	.661	.736	.809	.901		.934
31	·911		.824		.679		.641			·848		.918

TABLE VIII.—*Showing, for each Month, the Mean Height of Standard Barometer, and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Height of Barometer.	Difference from the Mean of the Year.	FOR SEASONS.	
	in.	in.		in.
January	29·939	0·147	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..	29·886
February	·883	·091		
March	·838	·046		
April	·746	−·046	Mean of { April, May, June, / July, Aug., Sept. } or Summer..	29·698
May	·734	−·058		
June	·606	−·186		
July	·637	−·155	Mean of the Year	29·792
August	·697	−·095		
September	·767	−·025	Greatest Monthly Mean in December ..	29·947
October	·811	·019	Least Monthly Mean in June	29.606
November	·895	·103		
December	·947	·155	Difference.....	0·341

TABLE IX.—*Mean Height of Standard Barometer (No. 58), corrected for Temperature, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	29.941	29.882	29.848	29.750	29.729	29.616	29.644	29.702	29.770	29.810	29.897	29.952
1 A.M.	.934	.873	.827	.741	.719	.598	.629	.682	.756	.800	.880	.945
2 „	.923	.861	.814	.729	.709	.584	.616	.669	.740	.789	.870	.933
3 „	.915	.853	.808	.723	.704	.576	.606	.662	.737	.784	.865	.925
4 „	.916	.854	.810	.726	.708	.576	.607	.663	.737	.785	.868	.923
5 „	.918	.867	.826	.735	.719	.580	.611	.672	.743	.800	.881	.927
6 „	.932	.888	.846	.758	.739	.598	.628	.688	.761	.825	.905	.942
7 „	.965	.915	.868	.784	.762	.615	.645	.708	.787	.846	.927	.969
8 „	.988	.936	.892	.803	.779	.628	.660	.726	.805	.863	.946	.992
9 „	30.005	.951	.908	.809	.788	.640	.666	.736	.818	.867	.963	30.010
10 „	.000	.953	.906	.805	.787	.640	.669	.739	.817	.869	.957	.007
11 „	29.986	.935	.893	.793	.777	.638	.663	.732	.807	.846	.937	29.988
Noon.	.957	.906	.866	.770	.763	.628	.654	.720	.788	.817	.906	.963
1 P.M.	.926	.877	.834	.745	.739	.612	.644	.702	.764	.794	.874	.929
2 „	.903	.846	.808	.717	.720	.598	.630	.686	.742	.771	.854	.909
3 „	.893	.828	.789	.701	.703	.584	.616	.673	.733	.759	.844	.897
4 „	.892	.826	.782	.693	.692	.574	.609	.667	.726	.759	.844	.897
5 „	.900	.838	.784	.693	.697	.575	.610	.671	.728	.774	.858	.906
6 „	.909	.852	.795	.706	.707	.585	.620	.681	.739	.785	.870	.919
7 „	.925	.869	.810	.718	.716	.598	.636	.693	.757	.805	.890	.937
8 „	.941	.891	.833	.735	.730	.613	.645	.706	.774	.826	.906	.957
9 „	.955	.895	.858	.753	.741	.630	.654	.718	.793	.830	.918	.971
10 „	.955	.897	.859	.760	.749	.635	.662	.722	.794	.828	.918	.972
11 „	.947	.890	.854	.755	.743	.631	.657	.717	.785	.824	.909	.963

TABLE X.—*Showing the Excess of the Mean Hourly Height of Barometer (No. 58), corrected for Temperature, above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.002	-0.001	0.010	0.004	-0.005	0.010	0.007	0.005	0.003	-0.001	0.002	0.005
1 A.M.	- .005	- .010	- .011	- .005	- .015	- .008	- .008	- .015	- .011	- .011	- .015	- .002
2 „	- .016	- .022	- .024	- .017	- .025	- .022	- .021	- .028	- .027	- .022	- .025	- .014
3 „	- .024	- .030	- .030	- .023	- .030	- .030	- .031	- .035	- .030	- .027	- .030	- .022
4 „	- .023	- .029	- .028	- .020	- .026	- .030	- .030	- .034	- .030	- .026	- .027	- .024
5 „	- .021	- .016	- .012	- .011	- .015	- .026	- .026	- .025	- .024	- .011	- .014	- .020
6 „	- .007	.005	.008	.012	.005	- .008	- .009	- .009	- .006	.014	.010	- .005
7 „	.026	.032	.030	.038	.028	.009	.008	.011	.020	.035	.032	.022
8 „	.049	.053	.054	.057	.045	.022	.023	.029	.038	.052	.051	.045
9 „	.066	.068	.070	.063	.054	.034	.029	.039	.051	.056	.068	.063
10 „	.061	.070	.068	.059	.053	.034	.032	.042	.052	.058	.062	.060
11 „	.047	.052	.055	.047	.043	.032	.026	.035	.040	.035	.042	.041
Noon.	.018	.023	.028	.024	.029	.022	.017	.023	.021	.006	.011	.016
1 P.M.	- .013	- .006	- .004	- .001	.005	.006	.007	.005	- .003	- .017	- .025	- .018
2 „	- .036	- .037	- .030	- .029	- .014	- .008	- .007	- .011	- .025	- .040	- .041	- .038
3 „	- .046	- .055	- .049	- .045	- .031	- .022	- .021	- .024	- .036	- .052	- .051	- .050
4 „	- .046	- .057	- .056	- .053	- .042	- .032	- .026	- .030	- .041	- .052	- .051	- .050
5 „	- .039	- .045	- .054	- .053	- .037	- .031	- .027	- .026	- .039	- .037	- .037	- .041
6 „	- .030	- .031	- .043	- .040	- .027	- .021	- .017	- .016	- .028	- .026	- .025	- .028
7 „	- .014	- .014	- .028	- .028	- .018	- .008	- .001	- .004	- .010	- .006	- .005	- .010
8 „	.002	.008	- .005	- .011	- .004	.007	.008	.009	.007	.015	.011	.010
9 „	.016	.012	.020	.007	.007	.024	.017	.021	.026	.019	.023	.024
10 „	.016	.014	.021	.014	.015	.029	.025	.025	.027	.017	.023	.025
11 „	.008	.011	.016	.009	.009	.025	.020	.020	.018	.013	.014	.016

TABLE XI.—*Showing, for the Year* 1863, *the Mean Height of Barometer* (*No.* 58), *corrected for Temperature, for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Height of Barometer.	Difference from the Mean of the whole.
	in.	in.
Midnight.	29·795	0·003
1 A.M.	·782	− ·010
2 „	·770	− ·022
3 „	·763	− ·029
4 „	·764	− ·028
5 „	·773	− ·019
6 „	·793	·001
7 „	·816	·024
8 „	·835	·043
9 „	·847	·055
10 „	·846	·054
11 „	·833	·041
Noon.	·812	·020
1 P.M.	·787	− ·005
2 „	·766	− ·026
3 „	·752	− ·040
4 „	·747	− ·045
5 „	·753	− ·039
6 „	·764	− ·028
7 „	·779	− ·013
8 „	·797	·005
9 „	·809	·017
10 „	·813	·021
11 „	·806	·014

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night ..	29·785
Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day	29·799
Mean Annual....	29·792

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 3 A.M.
A Maximum at 9 A.M.
A Minimum at 4 P.M.
A Maximum at 10 P.M.

TABLE XII.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Height of Barometer, corrected for Temperature, in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Height of Barometer.				Mean Diurnal Range.	The Time at which the Mean Hourly Height of Barometer was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·915	30·005	29·892	29·955	0·113	3 A.M.	9 A.M.	4 P.M.	9&10 P.M.
February	·853	29·953	·826	·897	·127	3 „	10 „	4 „	10 „
March	·808	·908	·782	·859	·126	3 „	9 „	4 „	10 „
April	·723	·809	·693	·760	·116	3 „	9 „	4&5 „	10 „
May	·704	·788	·692	·749	·096	3 „	9 „	4 „	10 „
June	·576	·640	·574	·635	·066	3&4 „	9&10 „	4 „	10 „
July	·606	·669	·609	·662	·063	3 „	10 „	4 „	10 „
August	·662	·739	·667	·722	·077	3 „	10 „	4 „	10 „
September	·737	·819	·726	·794	·093	3&4 „	10 „	4 „	10 „
October	·784	·869	·759	·830	·110	3 „	10 „	3 „	9 „
November	·865	·963	·844	·918	·119	3 „	9 „	4 „	10 „
December	·923	30·010	·897	·972	·113	4 „	9 „	3 „	10 „

TABLE XIII.—*Showing the Greatest and Least Height of Standard Barometer, corrected for Temperature in Simple Hourly Observations, in each Month during the Year* 1863.

Months, 1863.	Greatest Height of Barometer.				Least Height of Barometer.			
	Day and Hour.	Height of Barometer.	Normal Mean.	Difference.	Day and Hour.	Height of Barometer.	Normal Mean.	Difference.
	D. H.	in.	in.	in.	D. H.	in.	in.	in.
January	23 9 A.M.	30·108	29·979	0·129	30 4 P.M.	29.815	29.872	-0.057
February	20 10 ,,	·030	·952	·078	12 3 ,,	·779	·850	- ·071
March	24 9 ,,	29·965	·892	·073	7 4 ,,	·742	·841	- ·099
April	1 9 ,,	·898	·878	·020	21 4 ,,	·604	·756	- ·152
May	2 9 ,,	·867	·818	·049	18 3&4 A.M.	·603	·686	- ·083
June	5 10 ,,	·726	·734	·008	22 3 ,,	·457	·606	- ·149
July	14 10 P.M.	·808	·671	·137	8 3&4 ,,	·466	·603	- ·137
August	25 10 A.M.	·846	·788	·058	13 4 P.M.	·524	·664	- ·140
September	24 10 ,,	·897	·839	·058	7 3 A.M.	·652	·713	- ·061
October	29 9 ,,	30 001	·912	·089	20 4 P.M.	·614	·810	- ·196
November	12 9 ,,	·025	·940	·085	6 4 ,,	·774	·826	- ·052
December	22 9 ,,	·064	·986	·078	7 3 ,,	·814	·879	- ·065

TEMPERATURE.

TABLE XIV.—*Mean Temperature of External and Free Air for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			79°3	80°9	85°4		83°9	81°0	78°6	80°7		79°4
2	74°0	74°1		82.4	84.9	87°4	83.3		79.4	81.4	79°2	77.4
3	74.3	75.5	76.7			86.5	82.5	80.3	79.4	82.0	79.0	78.0
4		75.8	74.6	80.7	85.1	87.9	82.7	80.8	78.8		79.4	78.5
5	75.3	75·6	75.6		85.1	85.1		80.7	77.9	82.8	78.6	77.4
6	75.0	75.2		80.4	85.3	85.0	82.9	81.4		83.2	78.1	
7	73.8	75.7	79.2	81.7	85.9		80.4	80.9	75.3	82.9	78.2	76.6
8	74.9			82.3	86.8	81.2	79 4	81.3	77.6	83.0		76.3
9	76.5	75.7	80.4	83.4	86.4	82.4	78·6		80.2	82.7	78.7	74.8
10	76·1	73.5	79.4	83.7		80.5	79.3	79.4	78.0	82.2	77.5	75·9
11		73.5	76.7	82.7	85.4	81.8	81.6	79.4	79.2			76.6
12	77.0	76.2	74.6		85.3	81.8		77.1	79.4	82.1	78.2	76.9
13	74·8	75.1	75.1	82.6	85.4	79.8	79.2	77.9		82.1	76.2	
14	74.0	74.5	76.4	83.0	85.2		81.7	77.2	80.5	82.4	76·4	76.5
15	73.2			83.0	85.0	78.1	82.2	77.8	79.8	82.3		76.9
16	72·7		78.9	83.2	85.1	79.6	81.9		80.6	83.9	81.7	75.1
17	72.7	73.4	79.2	81.9		81.2	81.7	79.2	78.7	83.4	81.3	73.3
18		73.8	78.8	83.7	85·6	79.9	80.4	79.0	78.9		82.0	73.3
19	72.7	75.0	79.4		85·7	82.2		77.9	80.2	82.3	82.2	75.1
20	73.2	76 0	79.4	83.5	86·4	80.0	81.2	78.9		83.9	82.2	
21	75.2	79.8	79.9	85.2	86·8		81.6	79·5	80.2	83.3	81.0	76.3
22	70·4			86.3	86·7	82.6	81.7	79.4	79.8	81.2		74.3
23	67.3	77.9	79.4	86.2	87.5	81.7	78.4		80.9	81.0	79.3	74.3
24	70.4	77.9	81.0	85.7		82.4	77.6	79.3	80.2	81.4	77.7	75·3
25		78.5	82.0	84.6	87.0	82.9	77.9	80.4	80.9		76.1	76.2
26	75.7	79.2	81.8		86.9	82.6		80.6	81.7	81.2	75.0	
27	77.4	79.8	82.5	86.3	86.3	83.8	80.8			78.0	75.7	
28	78.1	79.1	83.7	86.5	86.7		81.1	78.9	80.5	77.2	76·5	75.3
29	77.7			86.1	86.7	82.8	79.1	80.2	80.0	77.7	76.6	73.7
30	76.1		80.9	85.4	86.7	84.2	80.3	79.9	80.8	79.0		72.3
31	74.4		79.8		86.8		79.3			79.3		72·6

TABLE XV.—*Showing, for each Month, the Mean Temperature of External and Free Air, and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Temperature of Air.	Difference from the Mean of the year.	FOR SEASONS.
January	74°3	− 5°5	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 77·6
February	76·1	− 3·7	
March	79·0	− 0·8	
April	83·7	3·9	Mean of {April, May, June, July, Aug., Sept.} or Summer 82.0
May	86·0	6·2	
June	82·5	2·7	
July	80·8	1·0	Mean of the Year ..... 79·8
August	79·5	− 0·3	
September	79·5	− 0·3	Greatest Monthly Mean in May ..... 86·0
October	81·6	1·8	Least Monthly Mean in January ..... 74·3
November	78·6	− 1·2	
December	75·7	− 4·1	Difference ..... 11·7

TABLE XVI.—*Mean Temperature of External and Free Air, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	71°3	72°2	76°0	80°6	82°8	80°9	79°5	78°1	77°5	78°8	75°2	72°4
1 A. M.	71.0	71.8	75.7	80.1	82.5	80.5	79.4	78.1	77.3	78.6	74.9	71.9
2 „	70.5	71.9	75.3	79.7	82.2	80.4	79.1	77.9	77.0	78.4	74.4	71.7
3 „	70.1	70.9	74.8	79.3	82.0	80.3	78.9	77.8	76.9	78.0	74.1	71.2
4 „	69.5	70.5	74.4	78.7	81.8	80.3	78.8	77.7	76.8	77.8	73.8	70.9
5 „	69.0	70.0	74.0	78.5	81.4	80.3	78.7	77.8	76.6	77.5	73.3	70.6
6 „	68.7	69.5	73.9	78.6	81.3	80.6	78.8	77.7	76.7	77.4	72.8	70.4
7 „	68.8	70.2	75.0	80.8	84.2	81.7	79.5	77.9	77.4	78.8	73.9	70.8
8 „	70.9	72.2	77.4	83.3	86.1	82.7	80.1	78.3	79.0	80.8	76.2	73.0
9 „	73.2	75.2	79.6	85.2	87.7	83.7	81.4	79.8	80.2	82.3	78.3	75.3
10 „	75.3	78.0	81.7	86.7	89.1	84.7	82.2	80.8	81.0	83.5	80.2	77.2
11 „	77.7	81.0	83.3	87.8	90.1	85.2	83.1	81.9	82.2	84.8	82.4	79.3
Noon.	80.0	84.0	84.3	88.7	91.1	85.1	83.8	82.5	82.3	85.8	84.6	81.8
1 P.M.	81.7	84.9	85.0	89.2	91.7	85.5	84.0	84.0	83.4	87.1	86.0	83.1
2 „	81.9	84.6	85.2	89.5	91.9	85.6	83.7	83.8	83.0	87.5	86.5	83.5
3 „	81.7	84.3	84.9	89.4	91.7	85.0	83.5	82.2	83.5	87.4	86.0	83.1
4 „	81.0	83.1	84.2	89.0	91.1	84.4	82.8	81.6	83.2	86.7	85.2	82.1
5 „	78.5	81.0	82.9	87.7	89.3	83.8	82.0	80.6	81.9	84.2	81.8	79.1
6 „	76.1	77.9	80.0	84.8	86.7	82.3	80.6	79.5	80.1	82.0	79.9	77.1
7 „	75.1	76.6	78.6	83.0	84.9	82.0	80.0	78.8	79.2	81.1	79.2	76·1
8 „	74.4	75.8	78.2	82.3	84.1	81.7	79.7	78.7	78.5	80.6	78·5	75.4
9 „	73.6	75·0	77.7	82.0	83.7	81.4	79.6	78.5	78.4	80·0	77.5	74·7
10 „	72.4	73.8	77.1	81.6	83.4	81.3	79.7	78.3	78.1	79.4	76.4	73.5
11 „	71.6	72.8	76.4	81.1	83.0	81.2	79.4	78.2	78.0	79.0	75.8	72.7

TABLE XVII.—*Excess of the Mean Hourly Temperature of External and Free Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	− 3°0	− 3°9	− 3°0	− 3°1	− 3°2	− 1°7	− 1°3	− 1°5	− 2°0	− 2°7	− 3°4	− 3°3
1 A.M.	− 3.3	− 4.4	− 3.3	− 3.5	− 3.5	− 2.1	− 1.4	− 1.5	− 2.2	− 3.0	− 3.7	− 3·8
2 „	− 3.8	− 4.8	− 3.7	− 4.0	− 3.8	− 2.1	− 1.7	− 1.6	− 2.5	− 3.2	− 4.2	− 4.0
3 „	− 4.2	− 5.2	− 4.2	− 4.3	− 4.0	− 2.2	− 1.9	− 1.7	− 2.6	− 3.6	− 4.5	− 4.5
4 „	− 4.7	− 5.8	− 4.6	− 4.9	− 4.2	− 2.3	− 2.0	− 1.8	− 2.7	− 3.7	− 4.8	− 4.8
5 „	− 5.3	− 6.1	− 5.0	− 5.2	− 4.6	− 2.2	− 2.1	− 1.7	− 2.9	− 4.1	− 5.4	− 5.1
6 „	− 5.6	− 6.6	− 5.1	− 5.0	− 4.2	− 1.9	− 2.0	− 1.8	− 2.9	− 4.2	− 5.8	− 5.3
7 „	− 5.5	− 5.9	− 4.0	− 2.9	− 1.8	− 0.8	− 1.2	− 1.7	− 2.1	− 2.8	− 4.7	− 4.9
8 „	− 3.5	− 3.9	− 1.5	− 0.3	0.1	0.1	− 0.7	− 0.8	− 0.5	− 0.8	− 2.4	− 2.7
9 „	− 1.1	− 0.9	0.6	1.6	1.7	1.1	0.6	0.3	0.6	0.7	− 0.3	− 0.4
10 „	1.0	1.9	2.7	3.0	3.1	2.1	1.4	1.3	1.5	1.9	1.6	1.5
11 „	3.4	4.9	4.3	4.1	4.1	2.7	2.3	2.3	2.6	3.2	3.8	3.6
Noon.	5.7	7.9	5.3	5.0	5.1	2.6	3.0	2.9	3.4	4.3	6.0	6.1
1 P.M.	7.3	8.7	6.9	5.6	5.7	3.0	3.2	4.4	3.9	5.5	7.3	7.4
2 „	7.6	8.5	6.2	5.8	5.9	3.1	2.9	4.3	3.5	5.9	7.9	7.8
3 „	7.4	8.1	6.1	5.7	5.7	2.5	2.7	2.7	4.0	5.8	7.3	7.4
4 „	6.6	7.0	5.2	5.3	5.1	1.9	2.0	2.1	3.6	5.1	6.6	6.4
5 „	4.1	4.9	3.9	4.0	3.3	1.3	1.2	1.0	2.4	2.7	3.2	3.4
6 „	1.8	1.8	1.0	1.1	0.7	0.2	− 0.2	0.0	0.5	0.4	1.3	1.4
7 „	0.8	0.5	− 0.3	− 0.6	− 1.1	− 0.5	− 0.7	− 0.8	− 0.4	− 0.5	0.6	0.4
8 „	0.1	− 0.3	− 0.8	− 1.3	− 1.9	− 0.9	− 1.1	− 0.9	− 1.0	− 1.0	− 0.1	− 0.3
9 „	− 0.7	− 1.1	− 1.3	− 1.7	− 2.3	− 1.1	− 1.2	− 1.1	− 1.1	− 1.6	− 1.1	− 1.0
10 „	− 1.9	− 2.3	− 1.8	− 2.1	− 2.6	− 1.2	− 1.1	− 1.3	− 1.5	− 2.2	− 2.2	− 2.2
11 „	− 2.7	− 3.3	− 2.6	− 2.5	− 3.0	− 1.3	− 1.1	− 1.3	− 1.6	− 2.6	− 2.8	− 3.0

TABLE XVIII.—*Showing, for the Year* 1863, *the Mean Temperature of External and Free Air, for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of External and Free Air.	Difference from the Mean of the Whole.
Midnight.	77°1	− 2°7
1 A.M.	76·8	− 3·0
2 „	76·5	− 3·3
3 „	76·2	− 3·6
4 „	75·9	− 3·9
5 „	75·6	− 4·2
6 „	75·6	− 4·2
7 „	76·6	− 3·2
8 „	78·4	− 1·4
9 „	80·2	0·4
10 „	81·7	1·9
11 „	83·2	3·4
Noon.	84·5	4·7
1 P.M.	85·5	5·7
2 „	85·6	5·8
3 „	85·2	5·4
4 „	84·5	4·7
5 „	82·7	2·9
6 „	80·4	0·6
7 „	79·6	− 0·2
8 „	79·0	− 0·8
9 „	78·5	1·3
10 „	77·9	− 1·9
11 „	77·4	− 2·4

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night.... 77°6

Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon. 1, 2, 3, 4, 5. } or Day..... 82·0

Mean Annual..... 79·8

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum between 5 and 6 A.M.
A Maximum at 2 P.M.

TABLE XIX.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Temperature of External and Free Air in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean hourly Temperature of External and Free Air.		Mean Diurnal Range.	The Time at which the Mean hourly Temperature of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°9	68°7	13°2	2 P. M.	6 A. M.
February	84·9	69·5	15·4	1 „	6 „
March	85·2	73·9	11·3	2 „	6 „
April	89 5	78·5	11·0	2 „	5 „
May	91·9	81·4	10·5	2 „	5 „
June.....	85·6	80·3	5·3	2 „	4 „
July.....	84·0	78·7	5·3	1 „	5 „
August.....	84·0	77·7	6·3	1 „	6 „
September	83.5	76·6	6·9	3 „	5 „
October	87·5	77·4	10·1	2 „	6 „
November	86·5	72·8	13·7	2 „	6 „
December.....	83·5	70·4	13·1	2 „	6 „

TABLE XX.—*Showing the Greatest and Least Temperature of External and Free Air in Simple Hourly Observations, during the Year* 1863.

Months, 1863.	Greatest Temperature of Air.				Least Temperature of Air.			
	Day and Hour.	Temperature of Air.	Normal Mean.	Difference.	Day and Hour.	Temperature of Air.	Normal Mean.	Difference.
	D. H.				D. H.			
January	12 3 P.M.	89°2	79°0	10°2	23 7 A.M.	66°2	71°2	- 11°0
February.....	21 3 „	95·0	81·6	13·4	11 5 „	66·4	71·4	- 5·0
March.....	28 Noon.	89·5	86·2	3·3	14 5 „	68·4	81·6	- 13·2
April	30 2 P.M.	92·2	87·4	4·8	6 6 „	75·0	82·6	- 7·6
May.....	26 3 „	94·0	89·8	4 2	15 5 „	79·5	81·4	- 1·9
June.....	2 2 „	93·9	89 8	4·1	15 8 P.M.	76·5	82·6	- 6·1
July.....	1 Noon.	89·0	87·3	1·7	24 7 „	75·6	80·8	- 5·2
August.....	8 3 P.M.	86·0	85·6	0·4	15midnight.	75·0	77·6	- 2·6
September	14 Noon.	86·5	85·4	1·1	7 3 A.M.	73·5	76·8	- 3·3
October	20 2 P.M.	91·4	86·9	4·5	29 6 „	71·7	76·2	- 4·5
November	19 2 „	92·6	84·5	8·1	26 5 „	66·5	73·9	- 7·4
December.....	4 2 „	90·3	82·7	7·6	31 7 „	65·6	71·6	- 6·0

TABLE XXI.—*Mean Temperature of Air confined within the Observatory as obtained by the Thermometer of Large Horizontal Force Magnetometer, for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			82°7	82°9	87°3		84°9	81°8	80°3	82°9		81°7
2	78°4	77°6		83.7	86.7	88°4	84.5		81.5	83.3	82°1	80.3
3	78.9	78.9	79.7			87.9	84.2	81.6	81.9	83.3	82.2	80.5
4		79.2	78.4	83.0	86.7	88.8	84.0	82.0	80.9		82.3	81.2
5	78.9	78.3	78.0		86.6	87.5		81.8	80.2	84.6	82.6	80.6
6	78.8	77.7		82 6	86.8	86.2	84.0	82.4		84.7	82.2	
7	77 6	78.3	81.4	83.1	87.3		82.4	82.3	78.3	84.9	81.2	80.7
8	78 2			83.4	88.0	83.6	81.2	82.6	79.1	85.0		79.9
9	79.7	77.9	83.1	84.3	88.0	83.7	80.7		80.9	84.8	81.6	78.1
10	79.5	76.8	82.5	85.2		82.7	80.8	81.4	79.9	84.6	81.0	78.2
11		76.8	79.5	84.2	87.1	82.9	82.5	80.9	80.5			79.5
12	80.5	78.7	77.9		86.7	83.0		79.2	81.3	84.6	81.0	80.1
13	79.5	79.0	77.5	84.8	86.6	82.3	80.8	79.4		84.4	80.1	
14	78.2	78.4	78.8	85.0	86.4		82.1	79.1	81.9	84.9	80.0	80.1
15	77.3			85.0	86.3	80.3	82.7	79.3	81.4	84.8		79.6
16	77.4		80.5	84.9	86.4	80.9	82.9		82.0	86.0	83.4	78.8
17	76.7	76.8	81.4	84.0		81.9	82.7	80.4	81.2	85.7	84.0	77.3
18		77.2	81.3	84.9	86.6	81.6	81.8	80.6	81.0		84.6	77.2
19	77.3	77.2	81.7		86.7	82.6		79.8	81.5	84.6	84.9	78.6
20	77.2	78.0	81.8	85.4	87.6	81.6	82.1	80.2		85.0	84.8	
21	78.8	80.8	82.4	86.6	88.2		82.4	80.7	82.1	86.2	84.4	79.5
22	74.9			87.4	88.4	83.6	82.5	80.8	81.8	84.5		78.5
23	71 9	80.6	81.8	87.8	88.5	82.4	80.7		82.5	83.8	83.3	77.7
24	73.0	80.8	82.6	87.5		83.2	79.4	80.5	81.9	83.7	82.0	78.6
25		81.1	83.4	86.5	88.9	83.6	79.3	81.3	82.4		79.4	79.3
26	78.4	81.9	83.9		88.9	83.6		81.6	83.0	83.7	78.6	
27	79.6	82.4	84.5	87.6	88.3	84.4	81.4			82.2	79.3	
28	80.2	82.4	84.6	87.9	88.5		82.0	80.7	82.3	80.0	80.1	78.8
29	80.6			87.9	88.6	84.1	80.7	81.3	82.5	80.0	80.4	77.4
30	79 9		83.4	87.2	88.6	84.3	81.2	81.4	82.9	81.2		75.1
31	78.4		82.3		88.7		80.7			81.7		76.2

TABLE XXII.—*Showing, for each Month, the Mean Temperature of Air confined within the Observatory, and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Temperature of Air within the Observatory.	Difference from the Mean of the Year.	FOR SEASONS.	
January	78°0	4°0	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	80°5
February.....	79·0	3·0		
March	81·4	0 6	Mean of { April, May, June, July, Aug, Sept. } or Summer	83·5
April	85·3	3·3		
May	87·5	5·5	Mean of the year.....	82·0
June.....	83.8	1·8		
July	82·1	0·1	Greatest Monthly Mean in May.....	87·5
August.....	80·9	1·1	Least Monthly Mean in January.....	78·0
September	81·4	0·6		
October	83·9	1·9	Difference..	9·5
November	81·9	0·1		
December	79·0	3·0		

TABLE XXIII.—*Mean Temperature of Air confined within the Observatory as obtained by the Thermometer of Large Horizontal Force Magnetometer in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	76°9	77°7	80°5	84°2	86°5	83°3	81°5	80°4	80°5	82°9	80°7	77°8
1 A.M.	76·7	77·4	80·4	84·1	86·2	83·3	81·4	80·3	80·4	82·6	80·5	77·5
2 „	76·5	77·0	80·2	83·9	85·9	83·2	81·2	80·2	80·2	82·4	80·2	77·2
3 „	76·2	76·8	79·9	83·7	85·7	83·1	81·1	80·0	80·2	82·2	79·9	76·9
4 „	75·8	76·4	79·7	83·5	85·5	83·0	81·0	79·9	80·1	82·1	79·7	76·7
5 „	75·4	76·0	79·3	83·3	85·4	82·8	81·0	79·9	79·9	81·8	79·3	76·4
6 „	75·1	75·6	79·2	83·0	85·3	82·8	81·0	79·8	79·7	81·6	78·8	76·1
7 „	75·0	75·0	79·1	83·4	85·7	83·0	81·1	79·8	79·9	81·9	78·9	75·9
8 „	75·5	76·0	79·8	84·3	86·5	83·4	81·6	80·1	80·4	82·6	79·8	76·6
9 „	76·7	77·3	80·8	85·1	87·4	83·8	81·8	80·5	81·0	83·6	81·1	77·9
10 „	78·0	78·9	81·9	85·9	88·2	84·2	82·2	81·1	81·6	84·5	82·4	79·2
11 „	79·6	80·2	82·8	86·6	88·9	84·7	82·8	81·7	82·2	85·3	83·4	80·5
Noon.	80·4	81·4	83·5	87·1	89·4	84·9	83·2	82·1	82·8	85·8	84·3	81·5
1 P.M.	81·1	82·4	83·7	87·4	89·8	85·1	83·4	82·4	83·1	86·2	84·9	82·3
2 „	81·4	82·8	83·9	87·6	90·0	85·2	83·5	82·7	83·1	86·4	85·2	82·7
3 „	81·5	83·0	84·0	87·8	90·1	85·1	83·5	82·5	83·2	86·5	85·5	82·7
4 „	81·4	82·7	83·8	87·7	89·9	85·0	83·3	82·3	83·1	86·3	85·2	82·4
5 „	80·7	82·0	83·3	87·1	89·3	84·8	83·0	82·3	82·7	85·5	84·1	81·6
6 „	79·6	80·9	82·4	86·3	88·6	84·4	82·5	81·5	82·1	84·7	83·2	80·7
7 „	78·8	80·1	81·7	85·8	87·9	83·9	82·1	81·1	81·6	84·2	83·0	79·9
8 „	78·4	79·6	81·3	85·5	87·8	83·8	81·9	80·8	81·2	83·9	82·2	79·3
9 „	77·9	79·1	81·1	85·1	87·2	83·6	81·7	80·7	81·0	83·5	81·7	79·2
10 „	77·5	78·7	80·9	84·8	86·9	83·5	81·6	80·6	80·9	83·3	81·4	78·3
11 „	77·1	78·2	80·5	84·5	86·7	83·4	81·5	80·5	80·7	83·0	81·1	77·9

TABLE XXIV.—*Excess of the Mean Hourly Temperature of Air confined within the Observatory above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	-1°1	-1°2	-0°9	-1°1	-1°0	-0°5	-0°6	-0°5	-0°9	-1°0	-1°2	-1°2
1 A.M.	-1·3	-1·6	-1·0	-1·2	-1·3	-0·5	-0·7	-0·6	-1·0	-1·3	-1·4	-1·5
2 „	-1·5	-2·0	-1·2	-1·4	-1·6	-0·6	-0·9	-0·7	-1·2	-1·5	-1·7	-1·8
3 „	-1·8	-2·2	-1·5	-1·6	-1·8	-0·7	-1·0	-0·9	-1·3	-1·7	-2·0	-2·1
4 „	-2·2	-2·6	-1·7	-1·8	-2·0	-0·8	-1·1	-1·0	-1·3	-1·8	-2·2	-2·3
5 „	-2·6	-3·0	-2·1	-2·0	-2·1	-1·0	-1·1	-1·0	-1·5	-2·1	-2·6	-2·6
6 „	-2·9	-3·4	-2·2	-2·3	-2·2	-1·0	-1·1	-1·1	-1·7	-2·3	-3·1	-2·9
7 „	-3·0	-4·0	-2·3	-1·9	-1·3	-0·8	-1·0	-1·1	-1·5	-2·0	-3·0	-3·1
8 „	-2·5	-3·0	-0·6	-1·0	-1·0	-0·4	-0·5	-0·8	-1·0	-1·3	-2·1	-2·4
9 „	-1·3	-1·7	-0·6	-0·2	-0·1	0·0	-0·3	-0·4	-0·4	-0·3	-0·8	-1·1
10 „	0·0	-0·1	0·5	0·6	0·7	0·4	0·1	0·2	0·2	0·6	0·5	0·2
11 „	1·6	1·2	1·4	1·3	1·4	0·9	0·7	0·8	0·8	1·4	1·5	1·5
Noon.	2·4	2·4	2·1	1·8	1·9	1·1	1·1	1·2	1·4	1·9	2·4	2·5
1 P.M.	3·1	3·3	2·3	2·1	2·3	1·3	1·3	1·5	1·7	2·3	3·0	3·3
2 „	3·4	3·8	2·5	2·3	2·5	1·4	1·4	1·8	1·7	2·5	3·3	3·7
3 „	3·5	4·0	2·6	2·5	2·6	1·3	1·4	1·6	1·8	2·6	3·6	3·7
4 „	3·4	3·7	2·4	2·4	2·4	1·2	1·2	1·4	1·7	2·4	3·3	3·4
5 „	2·7	3·0	1·9	1·8	1·8	1·0	0·9	1·4	1·3	1·6	2·2	2·6
6 „	1·6	1·9	1·0	1·0	1·1	0·6	0·4	0·6	0·7	0·8	1·3	1·7
7 „	0·3	1·1	0·3	0·5	0·4	0·1	0·0	0·2	0·2	0·3	1·1	0·9
8 „	0·4	0·6	-0·1	0·2	0·3	0·0	-0·2	-0·1	-0·2	0·0	0·3	0·3
9 „	-0·1	0·1	-0·3	-0·2	-0·3	-0·2	-0·4	-0·2	-0·4	-0·4	-0·2	0·2
10 „	-0·5	-0·3	-0·5	-0·5	-0·6	-0·3	-0·5	-0·3	-0·5	-0·6	-0·5	-0·7
11 „	-0·9	-0·8	-0·8	-0·8	-0·8	-0·4	-0·6	-0·4	-0·7	-0·9	-0·8	-1·1

TABLE XXV.—*Showing, for the Year* 1863, *the Mean Temperature of Air confined within the Observatory for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of the Observatory.	Difference from the Mean of the Whole.
Midnight.	81°1	− 0°9
1 A.M	80.9	− 1.1
2 „	80.7	− 1.3
3 „	80.5	− 1.5
4 „	80.3	− 1.7
5 „	80.0	− 2.0
6 „	79.8	− 2.2
7 „	79.9	− 2.1
8 „	80.5	− 1.7
9 „	81.4	− 0.6
10 „	82 3	0.3
11 „	83.2	1.2
Noon.	83.9	1.9
1 P.M.	84.3	2.3
2 „	84.5	2.5
3 „	84.6	2.6
4 „	84.4	2.4
5 „	83.9	1.9
6 „	83.1	1.1
7 „	82.5	0.5
8 „	82.1	0.1
9 „	81.8	− 0.2
10 „	81.5	− 0.5
11 „	81.3	− 0.7

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night .... 81°3

Mean of { 6, 7, 8, 9 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day ..... 82·7

Mean Annual..... 82.0

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum at 3 P.M.

TABLE XXVI.—*Showing, for the Year* 1863, *the Hours of Bombay Civil Time at which the Mean Temperature of Air confined within the Observatory in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of the Observatory.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of the Observatory was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	81°5	75°0	6°5	3 P.M.	7 A.M.
February.....	83·0	75·0	8·0	3 „	7 „
March	84·0	79·1	4·9	3 „	7 „
April	87·8	83·0	4·8	3 „	6 „
May.....	90·1	85·3	4·8	3 „	6 „
June.....	85·2	82·8	2·4	2 „	5 & 6 „
July.....	83·5	81·0	2·5	2 & 3 „	4, 5 & 6 „
August.....	82·7	79·8	2·9	2 „	6 & 7 „
September	83·2	79·7	3·5	3 „	6 „
October	86·5	81·6	4·9	3 „	6 „
November	85·5	78.8	6·7	3 „	6 „
December	82·7	75·9	6·8	3 „	7 „

TABLE XXVII.—*Mean Temperature of Ground one inch below its surface, for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			78°2	80°3	84°3		83°6	80°7	78°7	80°3		78°7
2	74°0	73°9		81.8	84.1	86°7	83.2		79.1	80.9	78°8	76.9
3	74.0	75.5	76.6			86.2	82.7	80.2	79.2	81.4	78.8	77.4
4		75.6	74.5	80.5	84.2	87.2	82.7	80.6	78.9		79.0	78.0
5	75.0	75·4	75.2		84.3	85.4		80.7	78.2	82.0	78.5	77.1
6	74.9	74.8		80.0	84.5	85.3	82.6	81.1		82.1	78.2	
7	73·9	75.5	78.9	80.9	85.0		81.0	80.8	76.1	82.2	78.1	76.9
8	74.7			81.5	85.6	82.2	80.0	81.0	77.7	82.3		76.5
9	76.2	75.2	80.3	82.4	85.4	82.6	79·2		79.5	82.0	78.3	75.4
10	75.9	73.7	79.0	83.1		81.3	79.5	79.8	78.2	81.5	77.6	75·9
11		73.3	76.6	82.7	84.4	82.0	81·3	79.5	79.0			76.5
12	76.6	75.6	74.5		84.5	82.1		78.1	79.3	81.5	77.8	76.9
13	74·9	75.1	74.6	82.3	84.5	80.5	79.5	78.4		81.7	76.3	
14	74.1	74.2	75.8	82.3	84.5		81.2	77.9	80.2	81.8	76·1	76.5
15	73.2			82.4	84.3	79.2	81.7	78.5	79.5	81.8		76.6
16	73.1		77.8	82.6	84.4	79.8	81.4		79.9	83.0	80.6	75.5
17	72.8	73.2	78.1	81.6		81.0	81.3	79.2	78.9	82.8	80.9	73.6
18		73.5	78.4	82·9	84.8	80.4	80.4	79.2	78.7		81.2	73.5
19	73.0	73.7	78.7		84.6	81.8		78.7	79.4	81.6	81.2	75.2
20	73.0	75.0	78.8	82.9	85.3	80.1	80.9	79.0		82.2	81.1	
21	74.8	78.6	79.3	84.3	85.8		81.4	79.4	79.7	82.9	80.4	76.1
22	71.5			85.3	85.8	82.3	81.5	79.4	79.2	81.1		74.5
23	67.7	77.3	78.9	85.3	86.4	81.7	79.0		80.0	81.0	78.9	74.5
24	70.2	77.3	79.1	84.9		82.1	78.0	79.0	79.8	81.2	78.1	75·4
25		77.5	80.3	84.0	86.3	82.7	77.9	79.9	80.2		76.0	76.0
26	75.3	78.1	80.8		86.3	82.6		79.9	81.1	81.0	75.0	
27	76.8	78.9	81.6	85.4	85.3	83.4	80.4			78.8	76.0	75.4
28	77.3	78.6	82.7	85.3	86.0		80.8	79.1	80.1	77.3	76.5	75.4
29	77.1			85.1	86.0	82.9	79.5	79.7	79.7	77.7	76.6	74.2
30	75.8		80.2	84.3	86.0	83.6	80.1	79.4	80.1	78.4		73.1
31	74.4		79.5		86.1		79.7			78.8		72·9

TABLE XXVIII.—*Showing, for each Month, the Mean Temperature of Ground one inch below its surface and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Temperature of Ground 1 inch below its Surface.	Difference from the Mean of the year.	FOR SEASONS.
January	74°2	− 5°3	
February	75·6	− 3·9	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter ..... 77°2
March	78·3	− 1·2	
April	83·0	3·5	
May	85.1	5·6	Mean of { April, May, June, / July, Aug., Sept. } or Summer ..... 81·7
June	82·6	3·1	
July	80·8	1·3	Mean of the Year ..... 79·5
August	79·6	− 0·1	
September	79·3	− 0·2	Greatest Monthly Mean in May ..... 85·1
October	81·1	1·6	Least Monthly Mean in January ..... 74·2
November	78·3	− 1·2	
December	75·7	− 3·8	Difference 10 9

TABLE XXIX.—*Mean Temperature of Ground one inch below its surface, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	72°6	73°4	77°0	81°3	83°5	81°7	80°1	79°0	78°3	79°8	77°2	74°6
1 A.M.	72.2	72.9	76.5	81.1	83.2	81·5	80.0	78.8	78.2	79.8	76.6	74.1
2 „	72.0	72.5	76.1	80·8	83.0	81·3	79.8	78.7	*78.0	79.6	76.2	73.8
3 „	71.5	72.0	75.7	80.4	82.8	81·3	79.7	78.6	77.9	79.4	75.8	73.4
4 „	71.1	71.6	75.3	80.2	82.5	81·2	79.6	78.5	77.8	79.2	75.5	73.1
5 „	70.5	71.3	74.7	79·6	82.3	81·1	79.5	78.5	77.6	78.9	75.3	72·8
6 „	70.1	71.0	74.6	79·5	82.4	81·2	79.4	78.4	77.5	78.7	75.0	72.3
7 „	70.0	71·1	75.0	80·5	83.6	82·0	79.9	78.4	77.7	79.2	75.1	72.3
8 „	71.2	72.4	76·4	82·2	85.0	82·5	80.1	78.8	78.4	80.0	76.0	73.0
9 „	72.7	74.1	78.2	83·3	85·7	83.1	80.7	79·4	79.1	80.7	77.2	74.4
10 „	74.1	76.0	79.6	84·2	86.5	83.6	81.2	80.0	79.7	81.4	78.3	75.7
11 „	75.8	77.9	80.6	84·8	87.1	84·0	81.9	80.5	80.3	82.2	79.5	76.9
Noon.	77.1	79.9	81.4	85·3	87.7	84.1	82.3	80.9	80.8	82.8	80.7	78·1
1 P.M.	78.6	80.5	81.8	86·0	87.1	84.3	82.7	81.2	81.2	83.5	81.5	79.0
2 „	79.0	81.0	81.9	86·4	88.3	84.4	82.7	81.1	81.1	83.9	81.8	79.6
3 „	79.1	80.9	82·0	86·7	88.2	84.2	82.6	81.0	81.3	84.1	81.9	79.7
4 „	78.9	80.5	81.8	86·7	87.9	84.0	82.2	80.8	81.3	83.9	81.7	79.5
5 „	77.7	79.7	80.9	85·8	87.4	83.6	81.6	80.5	80.7	83.0	81.0	78.4
6 „	76.4	78.3	79.9	84.3	86.5	83.0	81.0	80.0	80.1	82.1	80.2	77.5
7 „	75.6	77.1	79.0	83.2	85.4	82.5	80.5	79.7	79.5	81.6	79.7	76·8
8 „	75.1	76.5	78.6	82.7	84.8	82.2	80.3	79.4	79.1	81.2	80·3	76.4
9 „	74.3	75·7	78.1	82·5	84.3	82.0	80.2	79.2	79.0	80.7	78.7	76·0
10 „	73.4	74.8	77.8	82.1	84.0	81.9	80.2	79.1	78.8	80.3	78.1	75.4
11 „	72.7	74.0	77.3	82.0	83.7	81.7	80.0	79.1	78.6	80.0	77.6	74.8

TABLE XXX.—*Excess of the Mean Hourly Temperature of Ground one inch below its surface above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 1°7	- 2°2	- 1°3	- 1°7	- 1°7	- 0°9	- 0°7	- 0°6	- 0°9	- 1°3	- 1°2	- 1°1
1 A.M.	- 2.0	- 2.7	- 1.8	- 1.9	- 2.0	- 1.1	- 0.8	- 0.7	- 1.1	- 1.3	- 1.7	- 1.6
2 „	- 2.3	- 3.1	- 2.2	- 2.2	- 2.2	- 1.3	- 0.9	- 0.9	- 1.2	- 1·5	- 2.2	- 1.9
3 „	- 2.7	- 3.6	- 2.6	- 2.4	- 2.4	- 1.3	- 1.1	- 1·0	- 1.4	- 1.6	- 2.6	- 2.3
4 „	- 3·1	- 4.0	- 3.0	- 2.8	- 2·6	- 1.4	- 1.2	- 1.1	- 1.5	- 1.8	- 2.9	- 2.6
5 „	- 3.8	- 4.3	- 3.7	- 3·3	- 2.9	- 1·5	- 1.3	- 1.1	- 1.6	- 2.2	- 3.0	- 2.9
6 „	- 4.1	- 4.7	- 3.8	- 3·5	- 2·8	- 1.4	- 1.3	- 1.2	- 1.8	- 2.4	- 3.3	- 3.4
7 „	- 4.2	- 4·5	- 3.3	- 2·5	- 1·5	- 0.6	- 0.9	- 1.2	- 1·5	- 1.9	- 3.2	- 3.4
8 „	- 3.0	- 3.3	- 1.9	- 0.8	0.1	0.1	- 0.7	- 0.8	- 0.9	- 1.0	- 2.4	- 2.7
9 „	- 1.6	- 1.5	- 0.2	0.4	0.6	0.5	- 0.1	- 0.2	- 0.2	- 0.4	- 1.1	- 1.4
10 „	- 0.1	0.4	1.2	1.2	1.4	1.0	0.3	0.4	0.4	0.4	0.0	0.0
11 „	0.6	2.2	2·3	1.8	2.0	1.4	1.2	1.0	1.1	1.1	1.2	- 1.2
Noon.	2.8	4.3	3.0	2.3	2.6	1.5	1 6	1.4	1.6	1.7	2.4	- 2.4
1 P.M.	4.3	4.9	3.4	3.0	2.9	1.7	2.0	1.6	1.9	2.4	3.1	- 3.3
2 „	4.8	5.4	3.6	3.4	3.1	1.8	1.9	1.6	1.9	2.8	3.5	- 3.8
3 „	5.1	5.3	3.7	3.7	3.0	1.5	1.8	1.4	2.1	3.0	3.6	- 3.9
4 „	4.7	4.9	3.4	3.7	2.8	1.3	1.5	1.2	2.0	2.8	3.3	3.7
5 „	3.4	4.0	2.6	2.9	2.2	1.0	0.8	0.9	1.5	1.9	2.7	2.7
6 „	2.1	2.6	1.6	1.3	1.4	0.4	0.2	0.5	0.7	1.0	1.9	1.8
7 „	1.3	1.5	0.6	0.2	0.2	- 0.1	- 0.2	0.1	0.3	0 5	1.4	1.1
8 „	0.8	0.9	0.2	- 0.2	- 0.4	- 0.4	- 0.4	- 0.1	- 0.1	0.2	1.0	0.6
9 „	0.1	0.1	- 0.2	- 0.5	- 0.8	- 0.6	- 0.6	- 0.3	- 0.3	- 0.4	0.4	0.3
10 „	- 0.8	- 0.8	- 0.6	- 0.9	- 1.1	- 0.7	- 0.6	- 0.5	- 0.5	- 0.7	- 0.2	- 0·3
11 „	- 1.5	- 1.6	- 1.0	- 1.0	- 1.4	- 0.9	- 0.8	- 0.5	- 0.6	- 1.1	- 0.7	- 0.9

TABLE XXXI.—*Showing, for the Year* 1863, *the Mean Temperature of Ground one inch below its surface, for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground one inch below its Surface.	Difference from the Mean of the whole.
Midnight.	78°2	− 1°3
1 A.M.	77·9	− 1·6
2 ,,	77·6	− 1·9
3 ,,	77·4	− 2·1
4 ,,	77·1	− 2·4
5 ,,	76·8	− 2·7
6 ,,	76·7	− 2·8
7 ,,	77·1	− 2·4
8 ,,	78·0	− 1·5
9 ,,	79·0	− 0·5
10 ,,	80·0	0·5
11 ,,	80·1	1·5
Noon.	81·8	2·3
1 P.M.	82·3	2·8
2 ,,	82·6	3·1
3 ,,	82·6	3·1
4 ,,	82·4	2·9
5 ,,	81·7	2·2
6 ,,	80·8	1·3
7 ,,	80·1	0·6
8 ,,	79·7	0·2
9 ,,	79·2	− 0·3
10 ,,	78·8	− 0·7
11 ,,	78·5	− 1·0

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night .. 78°5

Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M.} or Day .... 80·4

Mean Annual.... 79·5

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 6 A.M.
A Maximum between 2 and 3 P.M.

TABLE XXXII.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Temperature of Ground, one inch below its Surface in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of Ground one inch below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	79°1	70°0	9°1	3 P.M.	7 A.M.
February	81·0	71·0	10·0	2 ,,	6 ,,
March	82·0	74·6	7·4	3 ,,	6 ,,
April	86·7	79·5	7·2	3 & 4 ,,	6 ,,
May	88·3	82·3	6·0	2 ,,	5 ,,
June	84·4	81·1	3·3	2 ,,	5 ,,
July	82·7	79·4	3·3	1 ,,	6 ,,
August	81·2	78·4	2·8	1 ,,	6 & 7 ,,
September	81·3	77·5	3·8	3 & 4 ,,	6 ,,
October	84·1	78·7	5·4	3 ,,	6 ,,
November	81·9	75·0	6·9	3 ,,	6 ,,
December.....	79·7	72·3	7·4	2 ,,	6 & 7 ,,

TABLE XXXIII.—*Mean Temperature of Ground nine inches below its Surface for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			79°2	81°0	84°9		84°4	81°8	80°4	81°2		79°2
2	76°6	76°0		81.6	84·9	86°3	84.2		80.4	81.4	80°2	78.9
3	76.4	76.6	78.8			86.8	83.9	81·9	80.5	81.7	80·2	78.6
4		76.9	77.6	81.6	84.9	87.0	84.0	81.3	80.4		80.2	78.9
5	76.8	76.8	77.2		85.0	86.7		81.9	80.1	82.1	80.2	78.7
6	76.9	76.5		81.4	85.1	86·5	83 5	82·0		82.3	80.1	
7	76.5	76.5	78.8	81.6	85.3		83.1	82.0	78.9	82.6	79.7	78.6
8	76.3			81.9	85.7	84.8	82.6	82.0	79.2	82.6		78.5
9	77·2	76.7	80.0	82.1	85.7	84.6	82.0		80.0	82.6	79.6	78.1
10	77.3	75.9	80.1	82.8		84.2	81.9	81.5	80.0	82.4	79.4	77.9
11		75.4	79.3	82.9	85.4	84.0	82.5	81.3	80.0			78.1
12	77.5	76.1	77.9		85.4	84.0		80.7	80.3	82.4	79.2	78.3
13	77.3	76.5	77.1	82.8	85.3	83.6	81.7	80.5		82.3	78.6	
14	76.7	76.3	77·3	82.8	85.3		82.3	80.2	81.0	82.6	78.2	78.4
15	76.1			82.9	85.3	82.3	82.8	80.2	80.7	82.4		78.3
16	75.9		78.2	83.1	85.4	82.2	82.8		80.8	83.0	79.8	77.9
17	75.5	75.6	78.8	82.9		82.5	82.7	80.6	80.6	83.3	80.7	77.1
18		75.5	79.1	83.0	85.4	82.7	82.4	80.6	80.2		81.1	76·6
19	75.6	75.5	79.2		85.4	82.8		80.4	80.4	82·6	81.5	76.8
20	75.4	75.8	79.4	83.5	85.5	82.5	82.4	80.3		82.6	81.5	
21	76.0	77.3	79.6	84.1	85.9		82.6	80.6	80.7	83.1	81.5	77·6
22	75.8			84.6	86.1	83.3	82.7	80.6	80.5	82.6		77.4
23	73.1	77.7	79.6	85.0	86.5	83.3	82.2		80.7	82.5	80.7	76.9
24	72.9	77.8	79.9	85.0		83.4	81·4	80.6	80.8	82.4	80.2	77.0
25		78.0	80.5	84.7	86.5	83.6	81.0	80.8	80.8		79.2	77.3
26	75.6	78.3	80.8		86.7	83.6		81.0	81.2	82.3	78.3	
27	76.7	78.7	81.2	85.1	86.5	84.0	81.8			81.7	78.2	
28	77.4	78.9	81.8	85.4	86.4		82.0	80.9	81.2	80·4	78.4	77.5
29	77.8			85.4	86.6	84.0	81.8	80.8	81.1	79.9	78.5	76.9
30	77.3		81.4	85.1	86.5	84.1	81.7	80.9	81.0	80.0		76.3
31	77.0		81.0		86.5		81.7			80.1		75.9

TABLE XXXIV.—*Showing, for each Month, the Mean Temperature of Ground nine inches below its surface and its Periodic Changes from the Mean of the year.*

Months, 1863.	Mean Temperature of Ground.	Differences from the Mean of the year.	FOR SEASONS.
January	76°3	−4°4	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 78°7
February	76·7	−4·0	
March	79·4	−1·3	
April	83·3	2·6	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer..... 82·8
May	85·7	5·0	
June	84·1	3·4	Mean of the Year.... 80·7
July	82·5	1·8	
August	81·0	0·3	
September	80·4	−0.3	Greatest Monthly Mean in December.. ..... 85·7
October	82·0	1·3	Least Monthly Mean in January..... 76·3
November	79·8	−0·9	
December.....	77·8	−2·9	Difference..... 9·4

TABLE XXXV.—*Mean Temperature of Ground nine inches below its surface, in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	76°4	76°8	79°4	83°3	85°6	84°1	82°6	81°1	80°5	82°1	80°1	78°0
1 A.M.	76.3	76.7	79.3	83·2	85.5	84.0	82.5	81.1	80.5	82.1	79.9	77.9
2 „	76·3	76.5	79.2	83.1	85.5	84.0	82.5	81.0	80.4	82.0	79.8	77.9
3 „	76.1	76.4	79.2	83.0	85.4	83.9	82.4	81.0	80.4	82.0	79.7	77.8
4 „	76.0	76.3	79.0	82.9	85.3	83.9	82·4	80.9	80.3	81.9	79.6	77·7
5 „	75.9	76.1	78.9	82.8	85.2	83.8	82.3	80.9	80.3	81.9	79.6	77.5
6 „	75·7	76.0	78.8	82.6	85.1	83.8	82.2	80.8	80.2	81.8	79.5	77.4
7 „	75.5	75.8	78.7	82.6	85.1	83.8	82.1	80.8	80.1	81.7	79.4	77.3
8 „	75.4	75.7	78.7	82.7	85.2	83·9	82.2	80.8	80.1	81.7	79.3	77.2
9 „	65.6	75·8	78.8	82.8	85.3	84.0	82.2	80.8	80.2	81.7	79.3	77.3
10 „	75·7	76.1	79.0	83.0	85.5	84·1	82.3	80.8	80.2	81.8	79.3	77.4
11 „	75.9	76.3	79.2	83.1	85.6	84.1	82.5	80.9	80.3	81.8	79.4	77.5
Noon.	76.1	76.6	79.4	83.3	85.8	84.2	82.6	81.0	80.4	81.9	79.6	77.6
1 P.M.	76.4	76·9	79.5	83.5	85.9	84.3	82.7	81.0	80.4	82.0	79.7	77.7
2 „	76.6	77.1	79.6	83.6	86.0	84.4	82·7	81.1	80.5	82.1	79.8	77.8
3 „	76·8	77.3	79.7	83·7	86.2	84.4	82.8	81.2	80.6	82.2	79.9	77·9
4 „	76.9	77.5	79.8	83·8	86.2	84.5	82.8	81.2	80.7	82.3	80.1	78.1
5 „	77.0	77.6	79.9	83·9	86.3	84.5	82.9	81.3	80.7	82·3	80.1	78.1
6 „	76.9	77.6	79.9	83.8	86.3	84.5	82.8	81·3	80.7	82.3	80·2	78.1
7 „	76·8	77.6	79.9	83.8	86.3	84.4	82.7	81·3	80.8	82.3	80·3	78.1
8 „	76.8	77.5	79.8	83.7	86.1	84.3	82.6	81.3	80.7	82.3	80·3	78.0
9 „	76.7	77.4	79.7	83.7	86.0	84·2	82.6	81.2	80.7	82.3	80.2	78.0
10 „	76.5	77.3	79.6	83.6	85.9	84·2	82.6	81.2	80.6	82·2	80.1	78.0
11 „	76.4	77.1	79.5	83.6	85.8	84·1	82.5	81.1	80.6	82.1	80.1	77.9

TABLE XXXVI.—*Excess of the Mean hourly Temperature of Ground nine inches below its surface above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0°1	0°1	0°0	0°0	− 0°1	0°0	0°1	0°1	0°1	0°1	0°2	0°2
1 A.M.	0.0	− 0.1	− 0.1	− 0.1	− 0.2	− 0.1	0.0	0.1	0.1	0.1	0.1	0.1
2 „	0.0	− 0.2	− 0.2	− 0.2	− 0.2	− 0.1	0.0	0.0	0.0	0.0	0.0	0.1
3 „	− 0.2	− 0.3	− 0.2	− 0.3	− 0·3	− 0·2	− 0.1	0.0	0.0	0.0	− 0.1	0.0
4 „	− 0.3	− 0.5	− 0.3	− 0.4	− 0.4	− 0·2	− 0.1	− 0.1	− 0.1	− 0.1	− 0.2	− 0.1
5 „	− 0.4	− 0.6	− 0.5	− 0.5	− 0.5	− 0·3	− 0.2	− 0.2	− 0·2	− 0.1	− 0.2	− 0.2
6 „	− 0.6	− 0.7	− 0.6	− 0.7	− 0.6	− 0.3	− 0.3	− 0.2	− 0.3	− 0.2	− 0.3	− 0.3
7 „	− 0.8	− 0·9	− 0.7	− 0.7	− 0.6	− 0.2	− 0.4	− 0.2	− 0.4	− 0·3	− 0.4	− 0.5
8 „	− 0·9	− 1.0	− 0.7	− 0.6	− 0.5	− 0.2	− 0.3	− 0.2	− 0.4	− 0.3	− 0.5	− 0.6
9 „	− 0.8	− 0.9	− 0.5	− 0.5	− 0.4	− 0.1	− 0.3	− 0.2	− 0.3	− 0·3	− 0.5	− 0.5
10 „	− 0.6	− 0.7	− 0.4	− 0.3	− 0.2	0.0	− 0.2	− 0.2	− 0·2	− 0.3	− 0.5	− 0.4
11 „	− 0·4	− 0·4	− 0.2	− 0.2	− 0.1	0.0	− 0.1	− 0.1	− 0.1	− 0.2	− 0.4	− 0.3
Noon.	− 0·2	− 0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	− 0.1	− 0·2	− 0.2
1 P.M.	0·1	0.1	0.1	0.2	0.2	0·2	0.2	0.0	0.0	0.0	− 0.1	− 0.1
2 „	0·3	0.4	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0
3 „	0·5	0.6	0·3	0.4	0.4	0.3	0.3	0.2	0.2	0·2	0.1	0.2
4 „	0.6	0.7	0.4	0.5	0.5	0.4	0.3	0.2	0.2	0.2	0.2	0.3
5 „	0.6	0.8	0·5	0.6	0.6	0.4	0.4	0.3	0·3	0.3	0.3	0.3
6 „	0.6	0.9	0.6	0.5	0.6	0.4	0.3	0.3	0.3	0.3	0·4	0·4
7 „	0.5	0·8	0·5	0.5	0.5	0·3	0.2	0.3	0.3	0.3	0.5	0.3
8 „	0.5	0.7	0·4	0.4	0.4	0.2	0.1	0.2	0.3	0.3	0.5	0.3
9 „	0.4	0.6	0·3	0.4	0.3	0.1	0.1	0.2	0.2	0.3	0.4	0.2
10 „	0.2	0.5	0.2	0.3	0.2	0.1	0·1	0.2	0.2	0.2	0·3	0.2
11 „	0.1	0.4	0.1	0.3	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.1

TABLE XXXVII.—*Showing, for the Year* 1863, *the Mean Temperature of Ground nine inches below its Surface for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Ground nine inches below its Surface.	Difference from the Mean of the Whole.
Midnight.	80°8	0°1
1 A.M.	80·7	0·0
2 ,,	80·7	0·0
3 ,,	80·6	− 0·1
4 ,,	80·5	− 0·2
5 ,,	80·4	− 0·3
6 ,,	80·3	− 0·4
7 ,,	80·2	− 0·5
8 ,,	80·2	− 0·5
9 ,,	80·3	− 0·4
10 ,,	80·4	− 0·3
11 ,,	80·5	− 0·2
Noon.	80·7	0·0
1 P.M.	80·8	0·1
2 ,,	80·9	0·2
3 ,,	81·1	0·4
4 ,,	81·2	0·5
5 ,,	81·2	0·5
6 ,,	81·2	0·5
7 ,,	81·2	0·5
8 ,,	81·1	0·4
9 ,,	81·1	0·4
10 ,,	81·0	0·3
11 ,,	80·9	0·2

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night .... 80°8

Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day..... 80·6

Mean Annual..... 80·7

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum between 7 & 8 A.M.
A Maximum uncertain.

TABLE XXXVIII.—*Showing, for the Year* 1863, *the Hours of Bombay Civil Time at which the Mean Temperature of Ground nine inches below its surface, in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of Ground nine inches below its Surface.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Ground was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	77°0	75°4	1°6	5 P.M.	8 A.M.
February	77·6	75·7	1·9	6 ,,	8 ,,
March	79·9	78·7	1·2	6 ,,	7 & 8 ,,
April	83·9	82·6	1·3	5 ,,	6 & 7 ,,
May.....	86·3	85·1	1·2	6 ,,	between 6 & 7 A.M.
June.....	84·5	83·8	0·7	5 ,,	5 A.M.
July.....	82·9	82·1	0·8	5 ,,	7 ,,
August.....	81·3	80·8	0·5	7 ,,	7 ,,
September	80·8	80·1	0·7	7 ,,	7 & 8 ,,
October	82·3	81·7	0·6	Uncertain.	7, 8, 9 ,,
November	80·3	79·3	1·0	7 & 8 P.M.	8, 9, 10 ,,
December.....	78·1	77·2	0·9	Uncertain.	8 ,,

TABLE XXXIX.—*Mean Temperature of Ground 20 inches below its Surface for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			81°8	83°7	86°3		86°3	85°2	83°6	83°2		82°0
2	81°6	80°7		83.6	86.7	88°2	86.3		83.0	83.3	84°0	82.1
3	81.8	80.8	82.0			88.2	86.4	85.1	83.0	83.2	83.9	82.0
4		80.9	82.0	83.5	86.6	88.4	86.4	85.1	83.0		83.8	82.0
5	81.7	80.9	81.9		86.7	88.4		85.0	82.6	83.4	83.7	82.0
6	81.5	81.0		83.8	86.7	88.6	86.4	84.9		83.5	83.7	
7	81.5	81.0	82.0	83.8	86.7		86.2	84.9	82.5	83.5	83.6	82.0
8	81.5			83.9	86.8	88.2	86.2	84.8	82.3	83.7		82.0
9	81.3	81.0	82.1	84.0	86.8	88.0	86.3		82.1	83.5	83.5	82.0
10	81.4	81.0	82.1	84.2		87.8	86.2	84.8	82.1	83.7	83.4	81.8
11		81.0	82.3	84.2	86.8	87.5	86.3	84.7	82.2			81.5
12	81.3	80.7	82.2		86·8	87.2		84.6	82.2	83.9	83.2	81.8
13	81.5	80.5	82.0	84.3	86.9	87.0	85.8	84.4		83·9	82.0	
14	81.5	80.5	82.3	84·4	86.9		86.0	84.4	82.5	84.0	82.0	81.6
15	81.5			84.4	87.0	86.6	86.0	84.1	82.7	83.9		81.6
16	81.5		82.0	84.5	87.0	86.5	86.2		82.9	84.4	82.0	81.6
17	81.2	80.7	82.0	84.7		86.2	86.3	84.0	82.9	84.5	82.0	81.5
18		80.8	82.0	85.0	87.0	86.0	86.3	84.0	82.7		82.2	81.3
19	81.0	80.8	82.1		87.1	85.9		84.0	82.6	84.6	82.3	81.1
20	80.0	80.8	82.2	85.0	87·1	85.8	86.0	84.1		84.5	82.4	
21	80.8	80.9	82.2	85.7	87.2		85.9	84.1	82.5	84.5	82.5	81.1
22	80.6			85.7	87·2	85.8	86.0	84.1	82.6	84.4		81.0
23	80.5	81.0	82.3	85.9	87.4	85.9	85.9		82.8	84.4	82.8	81.0
24	80.0	81.0	82.4	86.2		85.9	85.7	84.0	82.6	84.3	82.9	81.0
25		81.2	82.6	86.3	87·5	85.9	85.4	84.0	82.6		83.2	81.0
26	80.0	81.3	82.8		87.7	86.0		83.9	82.6	84.6	83.2	
27	80.0	81.5	83.0	86.5	87.8	86·0	85.2			84.1	83·0	
28	80.2	81.7	83.1	86.6	88.0		85.0	83.8	82.9	84.5	82.8	81.0
29	80.6			86.6	88.0	86.0	85.2	83.7	83.0	84.0	82.7	81.0
30	80.9		83.3	86·7	88.0	86.2	85.2	83·9	83.0	83.9		80.9
31	80.7		83.6		88.0		85.1			83.8		80.6

TABLE XL.—*Showing, for each Month, the Mean Temperature of Ground twenty inches below its surface and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Temperature of Ground 20 inches below its surface.	Difference from the Mean of the year.	FOR SEASONS.	
January	81°0	− 2°8	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	82°3
February	80·9	− 2·9		
March	82·3	− 1·5		
April	84·9	1·1	Mean of { April, May, June, / July, Aug., Sept. } or Summer	85·3
May	87·2	3·4		
June.....	86·9	3·1	Mean of the Year ..	83·8
July	85·9	2·1		
August.....	84·4	0·6		
September	82·7	− 1·1	Greatest Monthly Mean in May.....	87·2
October	84·0	0·2	Least Monthly Mean in February	80·9
November	83·0	− 0·8		
December.....	81·5	− 2·3	Difference....	6·3

TABLE XLI.—*Mean Temperature of Ground 60 inches below its surface, for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			83°0	83°5	85°0		86°1	84°7	83°2	83°0		83°0
2	83°9	82°9		83.4	85.0	86°2	86.0		83.5	83.1	83°7	83.0
3	83.9	82.8	82.8			86.2	86.2	84.6	83.5	83.0	83.6	82.9
4		82.9	82.6	83.3	85.0	86.4	86.1	84.6	83.5		83.4	83.0
5	83.9	82.9	82.6		85.1	86.4		84.5	83.0	83.2	83.4	83.0
6	83.8	83.0		83.5	85.2	86.5	86.1	84.5		83.2	83.3	
7	83.8	82.8	82.8	83.6	85.3		86.0	84.5	83.3	83.4	83.1	83.0
8	83.8			83.6	85.4	86.5	85.9	84.5	83.3	83.5		83.0
9	83.5	82.7	82.8	83.8	85.6	86.5	86.1		83.3	83.4	83.0	83.0
10	83.6	82.8	82.9	83.9		86.6	85.9	84.5	83.2	83.5	82.9	83.0
11		82.7	82.9	83.9	85.6	86.6	86.0	84.4	83.2			83.0
12	83.8	82.6	82.8		85.7	86.5		84.2	83.2	83.6	82.8	83.5
13	83.6	82.5	82.8	84.0	85.7	86.5	85.3	84.1		83.6	83.5	
14	83.5	82.5	83.0	84.1	85.8		85.7	84.0	83.2	83.6	83.2	83.1
15	83.5			84.2	85.9	86.4	85.6	83.6	83.3	83.6		83.1
16	83.5		82.9	84.2	85.9	86.4	85.9		83.3	83.8	83.2	83.1
17	83.5	82.5	82.9	84.3		86.5	86.0	83.5	83.3	83.7	83.1	83.0
18		82.6	82.9	84.4	86.0	86.5	86.0	83.5	83.2		83.2	82.9
19	83.4	82.6	83.0		86.0	86.5		83.5	83.1	83.9	83.3	82.9
20	83.3	82.7	83.0	84.4	86.0	86.5	85.7	83.6		84.0	83.3	
21	83.3	82.8	83.0	84.9	86.3		85.6	83.6	83.0	83.9	83.4	82.9
22	83.2			84.9	86.3	86.5	85.7	83.5	83.1	83.7		82.9
23	83.1	82.8	83.0	84.8	86.4	86.5	85.6		83.1	83.7	83.3	82.8
24	83.0	82.8	83.1	84.8		86.5	85.5	83.5	83.0	83.6	83.4	82.8
25		82.9	83.1	84.9	86.5	86.3	84.9	83.5	83.0		83.4	82.9
26	83.0	82.9	83.1		86.7	86.2		83.5	83.0	83.8	83.4	
27	83.0	83.0	83.1	85.0	86.8		84.7			83.5	83.3	
28	83.0	83.0	83.1	85.1	86.0	86.2	84.6	83.4	83.0	83.8	83.2	82.9
29	83.0			85.0	86.0	86.2	84.6	83.3	83.0	83.7	83.1	82.9
30	83.0		83.1	84.8	86.0	86.2	84.8	83.3	83.0	83.7		82.8
31	83.0		83.3		86.0		84.7			83.6		82.8

TABLE XLII.—*Showing, for each Month, the Mean Temperature of Ground 60 inches below its surface and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Temperature of Ground 60 inches below its surface.	Difference from the Mean of the Year.	FOR SEASONS.	
January	83°4	− 0°6	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	83°1
February.....	82·7	− 1·3		
March	82·9	− 1·1	Mean of { April, May, June, July, Aug., Sept. } or Summer....	84·9
April	84·2	0·2		
May	85·8	1·8	Mean of the year.....	84·0
June.....	86·4	2·4		
July	85·6	1·6	Greatest Monthly Mean in June.....	86·4
August.....	83·9	− 0·1	Least Monthly Mean in February	82·7
September	83·2	− 0·8		
October	83·6	− 0·4	Difference..	3·7
November	83·3	− 0·7		
December	83·0	− 1·0		

TABLE XLIII.—*Mean Temperature of Evaporation as shown by the Wet Bulb Thermometer for each day of Bombay Civil Time.*

	MONTHS, 1863.											
Date, 1863.	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			73°3	75°7	76°1		78°5	77°2	75°9	75°9		68°9
2	65°9	67°6		76.2	75.2	78°4	78.0		76.1	76.3	71°1	65.6
3	66.2	69.8	70.8			78.3	77.8	76.7	76.0	76.7	71.6	62.2
4		70.2	67.2	75.1	77.4	79.2	78.0	77.0	75.9		71.1	66.3
5	67.9	68·0	67.2		78.1	79.3		76.4	75.4	76.7	73.3	67.5
6	67.2	66.7		75.6	78.8	79.2	77.9	77.0		77.2	73.2	
7	65.5	65·9	73.7	74.7	79.0		77.3	76.6	74.1	77.3	72.0	69.8
8	67.4			74.6	79.1	78.0	76.9	77.5	75.8	77.4		69.7
9	70.0	67.5	76.3	76.2	78.2	78.3	76.5		76.8	76.5	70.3	66.5
10	68.9	65.4	74.6	77.1		77.6	77.3	75.9	75.6	76.7	71.2	69.4
11		64.4	69.6	75.9	78.5	78.0	77.9	76.5	76.1			71.1
12	69.1	66.9	67.1		77.3	78.0		75.5	76.4	77.0	67.0	70.6
13	68.3	68.6	66.1	76.0	77.4	77.3	77.0	76.0		76·8	66.6	
14	66.4	68.5	67.2	75·6	78.0		77.8	75.9	76.5	76.7	69.7	69.8
15	65.3			76.4	77.9	76.8	77.6	76.1	75.8	77.6		68.8
16	66.6		69.7	76.4	78.6	77.0	77.4		76.5	79.1	74.6	67.0
17	65.5	66.7	72.1	76.0		78.2	77.5	76.6	75.3	78.3	75.4	63.8
18		65.6	73.6	77.6	78.6	77.9	76.9	76.4	75.4		75.2	64.8
19	67.9	63.4	72.2		77.5	78·5		76.0	76.2	76.0	74.8	68.4
20	67.7	66.8	71.8	77.3	77·4	78.0	77.6	76.7		74.7	73.8	
21	69.7	68.4	73.7	79.4	77.7		77.8	76.8	75.0	76.3	73.1	69.5
22	65.9			78.6	77·8	78.8	77.3	76.4	75.0	76.6		66.7
23	61.3	66.3	73.0	79.8	79.1	78.6	76.4		75.1	76.3	71.6	66.7
24	64.1	67.3	73.3	78.7		78.5	76.0	76.5	74.9	76.7	69.8	68.6
25		66.6	74.2	77.8	79·0	78.5	76.2	76.8	76.2		64.6	69.2
26	70.2	69.5	74.7		78.6	78.7		76.9	76.2	75.5	65.4	
27	71.3	70.4	75.7	78.7	78.6	78·9	77.4			72.5	67·9	
28	69.3	70.9	74.9	79.0	78.9		77.2	75.9	76.1	70.7	69.7	68.0
29	69.3			78.3	78.7	78.5	76.2	76.5	75.6	71.6	70.5	65.4
30	68.6		70.8	76.0	78.2	78.9	76.9	76·5	75.7	72.4		65.5
31	68.1		74.1		78.1		76.6			72.9		64.6

TABLE XLIV.—*Showing, for each Month, the Mean Temperature of Evaporation and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Temperature of Evaporation.	Difference from the Mean of the year.	FOR SEASONS.	
January	67°5	− 6°2	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter	70°2
February	67·4	− 6·3		
March	71·9	− 1·8		
April	76·9	3·2	Mean of { April, May, June, July, Aug., Sept. } or Summer	77·1
May	78·1	4·4		
June.....	78·3	4·6	Mean of the Year ..	73·7
July	77·2	3·5		
August.....	76·5	2·8		
September	75·8	2·1	Greatest Monthly Mean in June.....	78·3
October	75·9	2·2	Least Monthly Mean in February	67·4
November	71 0	− 2·7		
December.....	67·5	− 6·2	Difference....	10·9

TABLE XLV.—*Mean Temperature of Evaporation or Wet Bulb Thermometer in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	66°7	65°7	71°4	76°2	77°2	77°7	76°9	75°6	74°8	75°3	69°3	66°1
1 A.M.	67.0	66.1	71.1	75.9	77.2	77.4	76.8	76.0	74.6	75.2	70.2	65.2
2 „	66.2	65.9	70.6	75.8	77.2	77.3	76.5	75.9	74.4	74.9	70.3	65.0
3 „	66.1	65.4	70.3	75.6	77.1	77.2	76.3	76.1	74.3	74.6	70.5	64.6
4 „	65·7	64.9	70.1	75.1	76.8	77.1	76.4	76.0	74.3	74.5	69.9	64.5
5 „	64.4	64.5	70.5	74.7	76.7	77.2	76.0	75.9	74.6	73.9	68.8	64.4
6 „	64.4	63.8	70.6	75.0	76.8	77.6	76·2	75.7	74·9	74.1	68.0	64.3
7 „	64.2	63.6	71.1	76.0	77.4	77.9	76·7	75.8	75.2	74.8	68.4	64·3
8 „	65.3	64.8	71.5	76.6	78.0	78.2	77.0	76.2	75.9	75.6	69.2	65.1
9 „	66.1	65.3	71.8	77.2	78.2	78.6	77.7	76.5	76.3	76.5	70.2	66.3
10 „	66.8	66.4	72.2	77.6	78.6	79.1	78.0	76.8	76.6	76.4	70.2	67.2
11 „	67.7	66.9	72.9	78.1	78.9	79.4	78.7	77.4	77.2	76.9	70.3	67.6
Noon.	68.5	68.5	73.4	78.4	79.1	79.4	79.0	77.6	77.5	77.4	71.1	68.5
1 P.M.	69.2	70.7	73.3	78.6	79.4	79.4	78.9	78.2	77.4	77.6	72.4	69.6
2 „	70.3	71.5	73.5	78·7	79.7	79.3	78.6	78.1	76.8	77.7	73.1	70.6
3 „	70.4	71.9	73.4	78.7	79.9	79.1	78.4	78.0	76.8	77.5	73.5	71.1
4 „	70.8	71.8	73.2	78.6	79.6	78.9	78.0	77.8	76.5	77.2	73·9	71.1
5 „	70.1	71.4	73.1	77.9	79.2	79.0	77.4	76.5	76.3	76.5	73·4	71.2
6 „	69.4	70.1	72.6	77.2	78.4	78.8	76.8	76.2	76.2	76.0	73·0	70.9
7 „	69.0	69.3	72.1	76.6	77.9	78.4	76.5	76.0	76.0	75.7	73·0	70.3
8 „	68.5	68.5	71.8	76.6	77.9	78.3	76.5	76.1	75·7	75.5	72·5	69.5
9 „	68.0	67.9	71.7	76.9	77.6	78.1	76.9	75.9	75.3	75.9	71·6	68.3
10 „	67.4	66.7	71.4	76.9	77.4	78.0	76.9	75.8	75.3	75.9	70·8	67.2
11 „	66.7	66.0	71.2	76.8	77.4	78.0	76.9	75.8	75·1	75.6	70·1	66.3

TABLE XLVI.—*Excess of the Mean Hourly Temperature of Evaporation above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	- 0°8	- 1°7	- 0°5	- 0°7	- 0°9	- 0°6	- 0°3	- 0°9	- 0°9	- 0°6	- 1°7	- 1°3
1 A.M.	- 0.5	- 1.3	- 0.8	- 1.0	- 0.9	- 0.9	- 0.4	- 0.5	- 1.2	- 0.7	- 0.8	- 2·2
2 „	- 1.3	- 1.5	- 1.3	- 1.1	- 0.9	- 1.0	- 0.7	- 0.6	- 1.4	- 0.9	- 0.7	- 2.5
3 „	- 1.4	- 2.0	- 1.6	- 1.3	- 1.0	- 1.1	- 0.9	- 0.4	- 1.4	- 1.3	- 0.5	- 2.9
4 „	- 1.8	- 2.5	- 1.8	- 1.8	- 1.3	- 1.2	- 0.8	- 0.5	- 1.4	1.4	- 1.0	- 3.0
5 „	- 3.1	- 2.9	- 1.4	- 2.2	- 1.4	- 1.1	- 1.2	- 0.6	- 1.1	- 2.0	- 2.2	- 3.1
6 „	- 3.1	- 3.6	- 1.2	- 1.9	- 1.3	- 0.7	- 1.0	- 0.8	- 0.8	- 1.8	- 2.9	- 3.2
7 „	- 3.2	- 3.8	- 0.8	- 0.9	- 0.6	- 0.3	- 0.6	- 0.7	- 0.6	- 1.1	- 2.6	- 3.2
8 „	- 2.1	- 2.6	- 0.4	- 0.3	- 0.1	- 0.1	- 0.2	- 0.3	0.1	- 0.3	- 1.8	- 2.4
9 „	- 1.4	- 2.0	0.1	0.2	0.1	0.3	0.4	0.0	0.5	0.6	- 0.8	- 1.2
10 „	- 0.7	- 1.0	0.3	0.7	0.5	0.8	0.7	0.3	0.8	0.5	- 0.8	- 0.3
11 „	0.2	- 0.4	1.0	1.2	0.8	1.1	1.5	0.9	1.4	1.0	- 0.7	0.1
Noon.	1.0	1.1	1.5	1.5	1.0	1.1	1.7	1.1	1.7	1.5	0.1	1.0
1 P.M.	1.7	3.3	1.4	1.7	1.3	1.1	1.7	1.7	1.6	1.7	1.4	2.1
2 „	2.8	4.1	1.6	1.8	1.6	1.0	1.3	1.6	1.0	1.8	2.1	3.2
3 „	2.9	4.5	1.5	1.8	1.8	0.8	1.2	1.5	1.1	1.6	2.5	3.7
4 „	3.3	4.4	1.3	1.6	1.6	0.6	0.7	1.3	0.8	1.4	2.9	3.7
5 „	2.7	4.0	1.2	1.0	1.1	0.7	0.2	0.0	1.0	0.6	2.4	3.7
6 „	2.0	2.7	0.7	0.3	0.3	0.5	- 0.4	- 0.3	0.5	0.1	2.0	3.4
7 „	1.5	1.9	0.2	- 0.3	- 0.2	0.1	- 0.7	- 0.5	0.2	- 0.2	2.0	2.9
8 „	1 0	1.1	- 0.1	- 0.3	- 0.2	0.0	- 0.8	- 0.4	- 0.1	- 0.3	1.5	2.0
9 „	0.6	0.5	- 0.2	- 0.2	- 0.5	- 0.2	- 0.4	- 0.6	- 0.5	- 0.1	0.6	0.8
10 „	- 0.1	- 0.7	- 0.4	- 0.2	- 0.6	- 0.3	- 0.4	- 0.7	- 0.5	0.0	- 0.2	- 0.2
11 „	- 0.7	- 1.4	- 0.7	- 0.1	- 0.7	- 0.3	- 0.4	- 0.7	- 0.6	- 0.3	- 0.9	- 1.2

TABLE XLVII.—*Showing, for the Year* 1863, *the Mean Temperature of Evaporation for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Evaporation.	Difference from the Mean of the Whole.
Midnight.	72°7	−1°0
1 A.M.	72·7	−1·0
2 „	72·5	−1·2
3 „	72·3	−1·4
4 „	72·1	−1·6
5 „	71·8	−1·9
6 „	71.8	−1·9
7 „	72·1	−1·6
8 „	72·8	−0·9
9 „	73·4	−0·3
10 „	73·8	0·1
11 „	74.3	0·6
Noon.	74.9	1·2
1 P.M.	75.4	1·7
2 „	75.7	2·0
3 „	75.7	2·0
4 „	75.6	1·9
5 „	75.2	1·5
6 „	74.6	0·9
7 „	74.2	0·5
8 „	74.0	0·3
9 „	73.7	0·0
10 „	73.3	−0·4
11 „	73.0	−0·7

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night.... 73°1

Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon, 1, 2, 3, 4, 5, P.M. } or Day.... 74.2

Mean Annual..... 73.7

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum between 5 and 6 A.M.
A Maximum between 2 and 3 P.M.

TABLE XLVIII.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Temperature of Evaporation in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean hourly Temperature of Evaporation.		Mean Diurnal Range.	The Time at which the Mean hourly Temperature of Evaporation was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	70°8	64°2	6°6	4 P.M.	7 A.M.
February.....	71·9	63·6	8·3	3 „	7 „
March	73·5	70·1	3·4	2 „	4 „
April	78·7	74·7	4·0	2 & 3 „	5 „
May.....	79·9	76·7	3·2	3 „	5 „
June.....	79·4	77·1	2·3	Noon.	4 „
July.....	79·0	76·0	3·0	„	5 „
August.....	78·2	75·6	2·6	1 P.M.	Midnight.
September	77.5	74·3	3·2	Noon.	3 & 4 A.M.
October	77·7	73·9	3·8	2 P.M.	5 „
November	73·9	68·0	5·9	4 „	6 „
December.....	71·2	64·3	6·9	5 „	6 & 7 „

TABLE XLIX.—*Showing the Greatest and Least Temperature of Evaporation in Simple Hourly Observations in each Month during the Year* 1863.

Months, 1863.	Greatest Temperature of Evaporation.				Least Temperature of Evaporation.			
	Day and Hour.	Temperature of Evaporation.	Normal Mean.	Difference.	Day and Hour.	Temperature of Evaporation.	Normal Mean.	Difference.
	D. H.				D. H.			
January	27 1 P.M.	75°0	70°0	5°0	23 7 A.M.	56°5	66°6	- 10°1
February	28 4 „	78·0	72·8	5·2	18 10 P.M.	57·0	68·7	- 11·7
March	1 2 „	78·5	73·1	5·4	13 5 A.M.	63·0	71·1	- 8·1
April	27 11 A.M.	82·0	78·8	3·2	8 6 „	71·5	73·4	- 1·9
May	8 3 P.M.	82·6	80·4	2 2	1 6 „	73·1	75·4	- 2·3
June	13 11 A.M.	81·4	80 5	0·9	17 3 „	74·3	77·5	- 3·2
July	1 1 P.M.	81·0	80·6	0·4	18 10 „	74·2	79·1	- 4·9
August	8 1 „	80·5	79·3	1·2	10 2 „	74·0	76·1	- 2·1
September	12 Noon.	80·0	78·3	1·7	22 1 „	72·3	75·8	- 3·5
October	16 2 P.M.	81·6	79·0	2·6	30 5 „	68·0	72·6	- 4·6
November	16 2 „	80·2	74·3	5·9	26 5 „	56·0	69·0	- 13·0
December	11 4 „	74·5	70·4	4·1	17 5 „	57·0	66·7	- 9·7

TABLE L.—*Mean Temperature of Calculated Dew-point for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			72°5	73°5	72°3		76°5	75°8	74°9	73°9		63°3
2	61°5	64°0		73.8	71·1	74°9	76.1		74.8	74.3	67°2	58.7
3	61·8	67.0	68.1			75.1	75.9	75·4	74.7	74.7	68·1	51.3
4		67.3	63.2	72.8	74.4	76.1	76.2	75.6	74.8		67.2	59.4
5	64.2	64.0	62.8		75.4	77.1		74.8	74.6	74.4	71.0	62.6
6	63.2	62.2		73.7	76.4	77·1	76·0	75·3		75.1	71.1	
7	60.8	60.6	71.4	71.8	76.4		76.1	74.9	73.6	75.2	69.1	66.6
8	68.5			71.4	76.2	76.8	75.9	76.0	75.1	75.2		66.5
9	66·8	63.4	74.7	73.4	75.1	76.7	75.7		75.5	74.1	66.2	62.0
10	65.4	60.8	72.6	74.6		76.4	76.5	74.6	74.7	74.6	68.4	66.3
11		59.1	66·0	73.1	75.9	76.6	76.5	75.4	75.0			68.6
12	65.2	62.0	62.9		74.1	76·6		75.0	75.3	74.9	60.7	67.7
13	64.9	65.3	61·0	73.5	74.3	76.3	76.1	75.2		74.7	61.3	
14	62.3	65.4	62·2	72.6	75.2		76.3	75.4	75.0	74.4	66.6	66.5
15	61.0			73.8	75.2	76.3	75.8	75.5	74.3	75.3		64.7
16	63.4		65.1	73.7	76.3	76.1	75.6		75.0	77.3	71.8	62.6
17	61.5	63.0	68.9	73.6		77.1	75.9	75.6	74.0	76.5	73.0	58.3
18		61.0	71.4	75.3	76.0	77.2	75.6	75.4	74.0		72.4	60·0
19	65.5	56.3	69.0		74.4	77.1		75.2	74.6	73·5	71.7	64.9
20	65.3	62.1	68.3	75.0	73.9	77.2	76.3	75.9		71.0	70.2	
21	67.0	62.3	71.1	77.2	74.2		76.4	75.8	72.9	73.5	69.7	66.2
22	63.6			75.7	74.4	77.4	75.6	75.3	73.0	74.8		62.6
23	57.5	59.9	70.1	77.6	75.9	77.5	75.6		72.8	74.4	68.0	62.7
24	60.8	61.6	69.9	76.4		77.1	75·3	75.4	72.7	74.8	66.0	65.3
25		60.1	70.8	75.2	76.0	76.8	75.5	75.3	74.4		57.8	65.6
26	67.6	63.1	71.6		75·5	77.3		75.2	74.0	73.2	60.1	
27	68.4	66.0	72.9	75.9	75.8	77.1	76.1			70.1	64.0	
28	64.9	67.3	71.2	76.2	76.0		75.6	74.7	74.3	67·6	66.4	64.2
29	65.2			75.2	75.6	76.9	75.1	75.1	73.8	68.8	67.5	60.8
30	64.8		65.7	72.2	75.0	76.9	75.6	75.1	73.6	69.4		61.9
31	65.0		71.7		74.8		75.6			70.2		60.0

j—1863.

TABLE LI.—*Showing, for each Month, the Mean Temperature of Dew-point and its Periodic Changes from the Mean of the year.*

Months, 1863.	Mean Temperature of Dew-point.	Difference from the Mean of the year.	FOR SEASONS.
January	64°0	−7°0	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter .... 66°7
February	62·9	−8·1	
March	68·7	−2·3	
April	74·3	3·3	Mean of {Apr., May, June, July, Aug., Sept.} or Summer ..... 75·3
May	75·0	4·0	
June	76·7	5·7	
July	75·9	4·9	Mean of the Year.... 71·0
August	75·3	4·3	
September	74·3	3.3	Greatest Monthly Mean in June ..... 76·7
October	73·6	2·6	Least Monthly Mean in February..... 62·9
November	67·5	−3·5	
December.....	63·2	−7·8	Difference..... 13·8

TABLE LII.—*Mean Temperature of Calculated Dew-point in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	64°3	62°2	69°4	74°6	75°1	76°5	76°0	74°6	73°8	73°9	66°4	62°8
1 A.M.	64.9	63.3	69.0	74·3	75.2	76.1	75.8	75.3	73.5	73.9	68.1	61.6
2 „	64·1	63.0	68.4	74.3	75.3	76.1	75.5	75.1	73.3	73.5	68.6	61.3
3 „	64.1	62.3	68.3	74.1	75.2	76.0	75.3	75.4	73.3	73.3	69.0	60.8
4 „	63.7	61.8	68.2	73.6	74.9	75.8	75·4	75.3	73.3	73.2	68.3	60·9
5 „	62.0	61.4	69.0	73.2	74.8	76.0	75.0	75.1	73.8	72.6	66.8	60.9
6 „	62·0	60.6	69.2	73.6	74.8	76.4	75.3	75.0	74.2	72.9	65.8	60.9
7 „	61.3	60.0	69.3	74.2	74.8	76.5	75.6	75.0	74.3	73.2	65.9	60.6
8 „	62.3	60.6	68.8	74.0	74.8	76·5	75.6	75.3	74.6	73.5	66.0	60.6
9 „	62.2	59.7	68.3	74.0	74.6	76.8	76.1	75.2	74.7	74.3	66.4	61.3
10 „	62·3	59.8	68.0	74.0	74.6	77·0	76.5	75.2	74.9	73.6	65.4	61.7
11 „	62.1	58.9	68.2	74.4	74.6	77.3	77.0	75.6	75.5	73.9	64.3	61.3
Noon.	62.4	60.0	68.6	74·5	74.6	77.4	77.0	75.7	75.4	74.1	64·5	61.4
1 P.M.	62.8	63·5	68.1	74.7	74.8	77.2	77.1	76.4	75.1	74.0	66.0	62.6
2 „	64.5	65.1	68.4	74·7	75.1	77·0	77·2	76.3	74.3	73·9	67.0	64.2
3 „	64·8	66.0	68.2	74·6	75·5	76.9	76.5	76.4	74.2	73.7	67.9	65.4
4 „	65.9	66.5	68.2	74·6	75.4	76.8	76.1	76.5	73.9	73.6	69.0	65.9
5 „	66.2	66.8	68.9	74·2	75.4	77.2	75.7	75.0	74.6	73.4	69.7	67.4
6 „	66.2	66.4	69.3	74.3	75.2	77.3	75.4	74.8	74.7	73.6	70.1	68.0
7 „	65·8	65.6	69.3	74·1	75.2	77·0	75.1	74.9	74.7	73.6	70.3	67.6
8 „	65.5	64.9	69.0	74.2	75.4	77·1	75.2	75.1	74.7	73·6	69.9	66.6
9 „	65.2	64.3	69.1	75·0	75.3	76·8	75.8	74.7	74.0	74.0	69.0	65.1
10 „	65.1	62.9	69.2	75.1	75.1	76·8	75.8	74.7	74.2	74.4	68.1	64.0
11 „	64.3	62.3	69.0	75.1	75·2	76.7	75.9	74.7	74.0	74.1	67.4	62.9

TABLE LIII.—*Excess of the Mean Hourly Temperature of Calculated Dew-point over the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0°3	-0°7	0°7	0°3	0°1	-0°2	0°1	-1°3	-0°5	0°3	-1°1	-0°4
1 A.M.	0.9	0.4	0.3	0.0	0.2	-0.6	-0.1	-0.1	-0.8	0.3	0.6	-1.6
2 „	0.1	0·1	-0.3	0.0	0.3	-0.6	-0.4	-0.2	-1.0	-0.1	1.1	-1.9
3 „	0.1	-0.6	-0.4	-0.2	0.2	-0.7	-0.6	0.1	-1.0	-0.3	1.5	-2.4
4 „	-0.3	-1.1	-0.5	-0.7	-0.1	-0.9	-0.5	0.0	-1.0	-0.4	0.8	-2.3
5 „	-2.0	-1.5	0.3	-1.1	-0.2	-0.7	-0.9	-0.2	-0.5	-1.0	-0.7	-2.3
6 „	-2.0	-1.3	0.5	-0.7	-0.2	-0.3	-0.6	-0.3	-0.1	-0.7	-1.7	-2.3
7 „	-2.2	-2.9	0.6	-0.1	-0.2	-0.2	-0.3	-0.3	0.0	-0.4	-1.6	-2.6
8 „	-1.7	-2.3	0.1	-0.3	-0.2	-0.2	-0.3	0.0	0.3	-0.1	-1.5	-2.6
9 „	-1.8	-3.2	-0.4	-0.3	-0.4	0.1	0.2	-0.1	0.4	0.7	-1.1	-1.9
10 „	-1·7	-3.1	-0.7	-0.3	-0.4	0.3	0.6	-0.1	0.6	0.0	-2.1	-1.5
11 „	-1.9	-4.0	-0.5	0.1	-0.4	0.6	1.1	0.3	1.2	0.3	-3.2	-1.9
Noon.	-1.6	-2·9	-0.1	0·2	-0.4	0.7	1.1	0·4	1.1	0.5	-3.0	-1.8
1 P.M.	-1.2	0.6	-0.6	0.4	-0.2	0.5	1.2	1.1	0.8	0.4	-1.5	-0.6
2 „	0.5	2.2	-0.3	0.4	0.1	0.3	1·3	1.0	0.0	0.3	-0.5	1.0
3 „	0.8	3.1	-0.5	0 3	0.5	0.2	0·6	1.1	-0.1	0.1	0.4	2.2
4 „	1·9	3.6	-0.5	0.3	0.4	0.1	0.2	1.2	-0.4	0.0	1.5	2.7
5 „	2.2	3.9	0.2	-0.1	0.4	0.5	-0.2	-0.3	0.3	-0.2	2.2	4.2
6 „	2.2	3.5	0.6	0.0	0.2	0.6	-0.5	-0.5	0·4	0.0	2.6	4·8
7 „	1.8	2.7	0.6	-0.2	0.2	0.3	-0.8	-0.4	0.4	0.0	2.8	4.4
8 „	1.5	2.0	0.3	-0.1	0.4	0.4	-0.7	-0.2	0.4	0.0	2.4	3.4
9 „	1.2	1.4	0.4	0.7	0.3	0.1	-0.1	0·4	-0.3	0.4	1.5	1.9
10 „	1.1	0.0	0.5	0.8	0.1	0.1	-0.1	0.6	-0.1	0.8	0.6	0.8
11 „	0.3	-0.6	0.3	0.8	0.2	0.0	0.0	0·6	-0.3	0.5	-0.1	-0.3

TABLE LIV.—*Showing, for the Year* 1863, *the Mean Temperature of Dew-point, for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Temperature of Calculated Dew-point.	Difference from the Mean of the Whole.
Midnight.	71°2	- 0°2
1 A.M.	71·3	- 0·1
2 „	71·8	0·4
3 „	71·0	- 0·4
4 „	70·8	- 0·6
5 „	70·5	- 0·9
6 „	70·6	- 0·8
7 „	70·6	- 0·8
8 „	70·7	- 0·7
9 „	70·8	- 0·6
10 „	70·8	- 0·6
11 „	70·9	- 0·5
Noon.	71·0	- 0·4
1 P.M.	71·5	0·1
2 „	71·8	0.4
3 „	72·0	0·6
4 „	72·1	0·7
5 „	72·2	0·8
6 „	72·3	0·9
7 „	72·2	0.8
8 „	72·1	0 7
9 „	71·8	0·4
10 „	71·6	0·2
11 „	71·4	0·0

FOR DAY AND NIGHT.

Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night.... 71°5

Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5. P.M.} or Day..... 71·3

Mean Annual..... 71·4

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 5 A.M.
A Maximum at 6 P.M.

TABLE LV.—*Showing, for the Year* 1863, *the Hours of Bombay Civil Time at which the Mean Temperature of Calculated Dew-point in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Temperature of Dew-point.		Mean Diurnal Range.	The Time at which the Mean Hourly Temperature of Dew-point was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	66°2	61°8	4°4	5 & 6 P.M.	7 A.M.
February	66·8	58·9	7·9	5 P.M.	11 „
March	69·4	68·0	1·4	Midnight.	10 „
April	75·1	73·2	1·9	10 & 11 P.M.	5 „
May.....	75·5	74·6	0·9	3 P.M.	9 „
June.....	77·4	75·8	1·6	Noon.	4 „
July.....	77·1	75·0	2·2	1 P.M.	5 „
August.....	76·5	74·6	1·9	4 „	Midnight.
September	75·5	73·3	2·2	11 A.M.	2, 3, 4 A.M.
October	74·4	72.6	1·8	10 P.M.	5 A.M.
November	70·3	64·3	6·0	7 „	11 „
December.....	68·0	60·6	7·4	6 „	7 & 8 A.M.

TABLE LVI.—*Daily Range of Temperature of deduced Dew-point for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1			8°9	7°3	3°6		3°0	2°9	2°7	3°8		14°0
2	9°7	13°3	7.0	4.8	3.6	4°8	4.7		4.0	3.3	8°9	18.3
3	10.9	4.1	7.9			3.4	5.5	2.7	3.5	3.7	11.1	19.6
4		7.6	5.8	4.4	6.6	2.1	4.5	2.9	2.4		11.6	25.0
5	12.1	12·2	7.5		4.5	2.2		2.6	2.6	3.9	4.6	19.4
6	6.8	12.3		5.7	3.6	4.2	3.1	4.4		3.3	4.9	
7	9.1	16.9	7.0	8.9	3.5		2.9	4.4	3.1	2.3	8.5	9.7
8	17.6			10.3	4.1	2.2	3 1	4.4	4.3	4.2		6.8
9	7.9	12.6	1.9	8.6	4.3	2.7	3·9		3.4	5.1	12.8	12.9
10	10·5	9.3	4.5	4.9		2.9	4.7	3.1	5.0	5.1	10.9	11·5
11		18.0	7.4	4.8	2.7	3.3	4.4	4.3	3.3			8.0
12	9.8	17.9	4.7		3.7	3.0		2.4	4.4	4.3	18.0	6.0
13	4.5	6.3	6.2	3.5	2.1	6.0	3.7	2.8		4.3	16.6	
14	9·5	5.2	5.7	3.3	2.1		3.6	5.0	3.7	7.8	17·1	11.0
15	15.5			5.8	2.6	2.5	4.6	4.3	4.9	3.7		9.1
16	5.8		6.0	5.9	2.8	3.5	4.2		1.8	3.2	16.7	11.5
17	13.3	3.8	7.8	2.8		6.7	4.2	2.9	4.5	4.9	5.1	21.4
18		21.1	4.0	6.7	2.7	3.2	5.2	3.6	4.0		6.1	16.4
19	7.1	13.6	8.1		3.6	3.6		2.8	5.6	7.6	14.1	7.3
20	6.9	11.8	7.3	7.6	2.8	3.1	4.7	3.6		16.3	10.4	
21	4.8	16.6	5.6	2.8	2.6		3.7	4.0	4.4	6.6	6.0	10.9
22	13.0			6.8	3.3	1.7	5.8	3.2	4.6	4.3		12.0
23	10.1	23.0	6.1	2.8	3.3	2.7	3.7		4.5	4.6	4.2	12.2
24	14.0	21.7	6.5	7.6		3.1	2.7	4.9	2.9	2.2	15.5	10·7
25		20.3	8.9	6.9	2.7	3.1	2.8	4.2	4.2		16.6	5.0
26	7.0	22.0	4.5		3.4	3.2		2.9	3.4	3.8	21.4	
27	7.4	24.1	4.5	5.1	2.3	2.5	3.5			20.4	10.8	
28	7.8	14.9	3.9	2.4	1.4		3.7	2.5	1.7	5.8	9.5	9.1
29	13.2			2.5	2.1	2.6	3.6	3.6	2.7	6.6	7.5	13.5
30	8.3		6.9	4.5	3.0	2.4	3.3	2.3	3.7	7.5		14.9
31	8.4		5.1		2.6		3.5			10.3		13·6

TABLE LVII.—*Showing the Greatest and the Least Temperature of Calculated Dew-point in Simple Hourly Observations, during the Year* 1863.

Months, 1863.	Greatest Temperature of Dew-point.				Least Temperature of Dew-point			
	Day and Hour.	Temperature of Dew-point.	Normal Mean.	Difference.	Day and Hour.	Temperature of Dew-point.	Normal Mean.	Difference.
	D. H.				D. H.			
January	8 4 P.M.	71·7	65·5	6·2	15 7 A.M.	50·9	63.9	13.0
February	27 8 „	74·7	68·0	6·7	24 11 „	42·9	67.1	24·2
March	9 11 A.M.	75·7	69·6	6·1	13 10 „	57·0	70·1	-13·1
April	27 11 „	79·3	75·2	4·1	8 10 „	64·8	73·2	- 8·4
May	8 3 P.M.	78·9	77·0	1·9	2 7 P.M.	69·5	76·1	- 6·6
June	17 Noon.	80·0	77·6	2·4	3 4 „	72·9	78·7	- 5·8
July	10 „	79·4	77·7	1·7	22 7 „	72·9	77·7	- 4·8
August	8 2 P.M.	79·1	77·3	1·8	10 10 A.M.	72·8	76·3	- 3·5
September	12 Noon.	78·4	75·7	2·7	23 3 „	70·3	74·6	- 4·3
October	16 3 P.M.	78 7	75·8	2·9	31 8 „	65·0	71·7	- 6·7
November	16 2 „	77·3	69·9	7·4	26 5 „	47·2	66·6	-19·4
December	7 8 „	72·9	67·0	5·9	3 2 P.M.	40·3	67·7	-27·4

TABLE LVIII.—*Mean Pressure of Moisture for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1			0.745	0.815	0.784		0.895	0.876	0.851	0.825		0.585
2	0.551	0.602		.821	.753	0.851	.884		.849	.835	0.664	.502
3	.555	.660	.683			.858	.880	.864	.846	.845	.684	.390
4		.670	.583	.795	.838	.884	.887	.870	.849		.663	.514
5	.601	.598	.574		.866	.914		.848	.842	.837	.752	.570
6	.582	.563		.820	.893	.914	.883	.862		.856	.754	
7	.538	.534	.760	.771	.894		.885	.852	.817	.859	.707	.650
8	.593			.762	.888	.905	.880	.883	.856	.861		.648
9	.655	.587	.845	.811	.856	.902	.874		.869	.830	.643	.560
10	.625	.538	.790	.843		.894	.896	.842	.846	.843	.690	.645
11		.503	.638	.803	.879	.900	.897	.864	.853			.694
12	.622	.560	.577		.830	.899		.853	.862	.852	.536	.675
13	.616	.624	.522	.813	.834	.891	.886	.861		.846	.547	
14	.565	.626	.564	.789	.860		.890	.864	.854	.839	.652	.649
15	.541			.822	.859	.889	.876	.868	.834	.876		.612
16	.586		.620	.820	.889	.884	.871		.854	.920	.770	.571
17	.551	.579	.702	.817		.916	.879	.871	.826	.895	.799	.494
18		.541	.760	.863	.381	.916	.870	.866	.848		.785	.524
19	.629	.462	.703		.837	.913		.860	.843	.815	.769	.616
20	.613	.562	.689	.854	.824	.917	.889	.879		.752	.732	
21	.660	.565	.753	.917	.833		.893	.875	.797	.815	.719	.642
22	.590			.874	.838	.923	.871	.862	.802	.849		.571
23	.482	.522	.730	.927	.880	.924	.871		.794	.839	.682	.573
24	.538	.552	.726	.893		.914	.863	.864	.792	.850	.639	.624
25		.525	.746	.861	.882	.907	.869	.863	.837		.487	.631
26	.672	.581	.767		.868	.919		.861	.828	.807	.526	
27	.691	.638	.797	.879	.875	.913	.885			.730	.507	
28	.616	.666	.755	.888	.881		.872	.846	.835	.673	.646	.601
29	.621			.861	.872	.907	.858	.856	.823	.700	.671	.538
30	.613		.632	.780	.854	.908	.871	.858	.818	.714		.558
31	.617		.769		.850		.870			.731		.523

TABLE LIX.—*Showing, for each Month, the Mean Pressure of Moisture and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Pressure of Moisture.	Difference from the Mean of the year.
	in.	in.
January	0·597	–0·163
February	·577	– ·183
March	·698	– ·062
April	·836	·076
May	·855	·095
June	·902	·142
July	·879	·119
August	·863	·103
September	·835	·075
October	·818	·058
November	·671	– ·089
December	·583	– ·177

FOR SEASONS.	
	in.
Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	0·657
Mean of { April, May, June, / July, Aug., Sept. } or Summer	0·862
Mean of the Year	0·760
Greatest Monthly Mean in June	0·902
Least Monthly Mean in February	0·577
Difference	0·325

TABLE LX.—*Mean Pressure of Moisture in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.604	0.563	0.713	0.843	0.856	0.896	0.881	0.844	0.821	0·825	0.647	0.574
1 A. M.	.616	.585	.705	.835	.860	.886	.875	.862	.813	.825	.685	.552
2 „	.599	.579	.691	.834	.862	.885	.867	.857	.809	.815	.694	.546
3 „	.599	.565	.688	.830	.861	.881	.863	.865	.809	.809	.703	.537
4 „	.592	.555	.686	.817	.851	.877	.865	.862	.809	.805	.688	.539
5 „	.559	.548	.703	.806	.848	.881	.853	.857	.822	.789	.656	·540
6 „	.560	.534	.709	.817	.849	.894	.862	.853	.833	.798	.635	.539
7 „	.556	·523	.712	.832	.849	.896	.870	.854	.836	.807	.636	.534
8 „	.566	.534	·700	.827	.850	.897	.872	.862	.843	.814	.638	.534
9 „	.564	.518	.688	.827	.842	.904	.885	·861	.847	.834	·647	.547
10 „	.565	.520	.681	.827	.844	.911	.895	.861	.852	.816	.626	.554
11 „	.562	.504	.687	.837	.844	.918	.910	.870	.867	.824	.604	.546
Noon.	.567	.523	.694	.841	.843	.922	.911	.873	.866	.831	.607	·548
1 P.M.	.574	.588	.684	.846	.849	.915	.913	.893	.856	.828	.639	.571
2 „	.607	.620	.690	.845	.857	.911	.906	.890	.835	.824	.659	.602
3 „	.613	.639	·687	.844	.869	.909	.897	.894	.833	.820	.679	.625
4 „	.637	.649	.687	.843	.865	.906	.886	.895	.824	.817	.703	.636
5 „	.643	.656	.701	.832	.865	.917	.874	.854	.844	.811	.720	.668
6 „	.643	.645	.710	.834	.861	.919	.866	.849	.846	.818	.729	.681
7 „	.634	.630	.710	.831	.859	.910	.858	.853	.846	.816	.734	·673
8 „	.628	.615	.705	.838	.866	.913	.860	.857	.846	.816	.725	.650
9 „	.622	·604	.707	.854	.862	.905	.876	.851	.828	.828	.705	·619
10 „	.619	.576	.709	.858	.858	.904	.877	.845	.832	.838	.685	.598
11 „	.603	.566	.704	.858	.861	.903	.879	.846	.828	.831	.669	.577

TABLE LXI.—*Excess of the Mean Hourly Pressure of Moisture above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0.007	-0.014	0.015	0.007	0.001	-0.006	0.002	-0.019	-0.014	0.007	-0.024	-0.009
1 A.M.	.019	.008	.007	- .001	.005	- .016	- .004	- .001	- .022	.007	.014	- .031
2 „	.002	.002	- .007	- .002	.007	- .017	- .012	- .006	- .026	- .003	.023	- .037
3 „	.002	- .012	- .010	- .006	.006	- .021	- .016	- .002	- .026	- .009	.032	- .046
4 „	- .005	- .022	- .012	- .019	- .004	- .025	- .014	- .001	- .026	- .013	.017	- .044
5 „	- .038	- .029	.005	- .030	- .007	- .021	- .026	- .006	- .013	- .039	- .015	- .043
6 „	- .037	- .043	.011	- .019	- .006	- .008	- .017	- .010	- .002	- .020	- .036	- .044
7 „	- .041	- .054	.014	- .004	- .006	- .006	- .009	- .009	.001	- .011	- .035	- .049
8 „	- .031	- .043	.002	- .011	- .005	- .005	- .007	- .001	.008	- .004	- .033	- .049
9 „	- .033	- .059	- .010	- .011	- .013	.002	.006	- .002	.012	.016	- .024	- .036
10 „	- .032	- .057	- .017	- .011	- .011	.009	.016	- .002	.017	- .002	- .045	- .029
11 „	- .035	- .073	- .011	.001	- .011	.016	.031	.007	.032	.006	- .067	- .037
Noon.	- .030	- .054	- .004	.005	- .012	.020	.032	.010	.031	.013	- .064	- .035
1 P.M.	- .023	.011	- .014	.010	- .006	.013	.034	.030	.021	.010	- .032	- .012
2 „	.010	.043	- .008	.009	.002	.009	.027	.027	.000	.006	- .012	.019
3 „	.016	.062	- .011	.008	.014	.007	.018	.031	- .002	.002	.008	.042
4 „	.040	.072	- .011	.007	.010	.004	.007	.032	- .011	- .001	.032	.053
5 „	.046	.079	.003	- .004	.010	.015	- .005	- .009	.009	- .007	.049	.085
6 „	.046	.068	.012	- .002	.006	.017	- .013	- .014	.011	.000	.058	.098
7 „	.037	.053	.012	- .005	.004	.008	- .021	- .010	.011	- .002	.063	.090
8 „	.031	.038	.007	.002	.011	.011	- .019	- .006	.011	- .002	.054	.067
9 „	.025	.027	.009	.018	.007	.003	- .003	- .012	- .007	.010	.034	.036
10 „	.022	- .001	.011	.022	.003	.002	- .002	- .018	- .003	.020	.014	.015
11 „	.006	- .011	.005	.022	.006	.001	.000	- .017	- .007	.013	- .002	- .006

TABLE LXII.—*Showing, for the Year* 1863, *the Mean Pressure of Moisture for each hour of Bombay Civil Time and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Moisture.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·756	-0·004
1 A.M.	·758	- ·002
2 „	·770	·010
3 „	·751	- ·009
4 „	·746	- ·014
5 „	·739	- ·021
6 „	·740	- ·020
7 „	·742	- ·018
8 „	·745	- ·015
9 „	·747	- ·013
10 „	·746	- ·014
11 „	·748	- ·012
Noon.	·752	- ·008
1 P.M.	·763	·003
2 „	·770	·010
3 „	·776	·016
4 „	·779	·019
5 „	·782	·022
6 „	·783	·023
7 „	·780	·020
8 „	·777	·017
9 „	·772	·012
10 „	·767	·007
11 „	·760	·000

FOR DAY AND NIGHT.

	in.
Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night	0·763
Mean of { 6, 7, 8, 9 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day	0·757
Mean Annual.....	0·760

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 5 A.M.
A Maximum at 6 P.M.

TABLE LXIII.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Pressure of Moisture in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Pressure of Moisture.		Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Moisture was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	in.	in.	in.	H.	H.
January	0·643	0·556	0·087	5 & 6 P.M.	7 A.M.
February	·656	·504	·152	5 „	11 „
March	·713	·681	·032	Midnight.	10 „
April	·858	·806	·052	10 & 11 P.M.	5 „
May	·869	·842	·027	3 „	9 „
June	·922	·877	·045	Noon.	4 „
July	·913	·853	·060	1 P.M.	5 „
August	·895	·844	·051	4 „	Midnight.
September	·867	·809	·058	11 A.M.	2, 3, 4 A.M.
October	·838	·789	·049	10 P.M.	5 „
November	·734	·604	·130	7 „	11 „
December	·681	·534	·147	6 „	7, 8 „

TABLE LXIV.—*Mean Humidity of Atmospheric Air for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1			0.76	0.80	0.67		0.79	0.85	0.89	0.81		0.61
2	0.67	0.72		.77	.65	0.68	.80	•	.87	.80	0.69	.55
3	.68	.77	.77			.70	.82	.86	.86	.80	.72	.43
4		.78	.70	.78	.72	.70	.82	.85	.88		.69	.54
5	.70	.69	.65		.74	.78		.83	.90	.77	.79	.62
6	.68	.66		.81	.76	.79	.81	.83		.79	.81	
7	.66	.61	.79	.74	.75		.88	.83	.95	.79	.76	.73
8	.69			.72	.72	.87	.90	.85	.92	.79		.73
9	.74	.68	.84	.74	.71	.84	.91		.86	.77	.67	.66
10	.71	.68	.81	.76		.88	.92	.86	.90	.79	.75	.73
11		.63	.71	.74	.75	.85	.85	.88	.88			.78
12	.70	.64	.69		.71	.85		.84	.88	.80	.58	.75
13	.73	.74	.64	.75	.71	.90	.91	.92		.79	.62	
14	.69	.75	.64	.72	.73		.85	.94	.84	.78	.74	.73
15	.67			.75	.74	.94	.82	.93	.84	.82		.68
16	.74		.65	.75	.76	.90	.82		.84	.82	.73	.67
17	.70	.72	.73	.77		.88	.83	.89	.86	.81	.77	.61
18		.67	.80	.77	.74	.92	.86	.89	.86		.75	.64
19	.79	.54	.73		.71	.84		.92	.84	.77	.73	.73
20	.77	.63	.71	.77	.68	.91	.86	.91		.67	.70	
21	.77	.59	.76	.79	.68		.85	.89	.80	.74	.70	.73
22	.80			.72	.68	.85	.83	.88	.81	.82		.69
23	.73	.56	.75	.77	.70	.88	.92		.78	.82	.70	.68
24	.73	.61	.71	.75		.85	.93	.88	.79	.82	.69	.73
25		.56	.70	.75	.71	.83	.93	.85	.81		.55	.68
26	.78	.60	.73		.71	.85		.85	.79	.78	.61	
27	.76	.65	.74	.73	.72	.81	.86			.78	.69	
28	.66	.69	.68	.73	.72		.84	.88	.82	.74	.73	.70
29	.68			.72	.71	.83	.88	.85	.82	.76	.76	.66
30	.71		.62	.66	.69	.80	.86	.86	.80	.74		.71
31	.74		.77		.69		.89			.75		.67

TABLE LXV.—*Showing, for each Month, the Mean Humidity of Air and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Mean Humidity of Air.	Difference from the Mean of the Year.	FOR SEASONS.
January	0·72	−0·04	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter .... 0·71
February.....	·66	− ·10	
March	·72	− ·04	Mean of {April, May, June, July, Aug., Sept.} or Summer.... 0·81
April	·75	− ·01	
May	·71	− ·05	Mean of the year..... 0·76
June.....	·84	·08	
July	·86	·10	Greatest Monthly Mean in August..... 0·88
August.....	·88	·12	Least Monthly Mean in February ..... 0·66
September	·85	·09	
October	·78	·02	Difference.. 0·22
November	·70	− ·06	
December	·67	− ·09	

TABLE LXVI.—*Mean Humidity of Atmospheric Air in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.79	0.72	0.80	0.83	0.78	0.87	0.90	0.90	0.89	0.86	0.75	0.73
1 A.M.	.82	.75	.80	.83	.79	.87	.89	.91	.89	.86	.80	.76
2 „	.81	.76	.80	.84	.80	.88	.89	.92	.89	.86	.82	.71
3 „	.82	.76	.81	.85	.81	.87	.89	.93	.89	.86	.84	.71
4 „	·82	.75	.82	.85	.80	.87	.90	.93	.90	.86	.83	.72
5 „	.79	.75	.84	.84	.81	.87	.89	.92	.92	.85	.80	.73
6 „	.80	.75	.86	.85	.80	.88	.90	.92	·93	.86	.79	.73
7 „	.80	.73	.83	.81	.74	.85	·88	·91	.91	.83	.76	·72
8 „	.76	.68	.76	.74	.70	.83	.87	.90	.87	.79	.71	.67
9 „	.70	.60	.69	.70	.66	.81	.85	.87	.84	.77	.68	.64
10 „	.66	.56	.64	.68	.61	.79	.84	.84	.83	.73	.62	.60
11 „	.60	.50	.59	.66	.62	.79	.83	.82	.81	.71	.56	.56
Noon.	.57	.47	.57	.64	.60	.79	.82	.81	.79	.69	.52	.52
1 P.M.	.55	.51	.58	.63	.59	.77	.80	.81	.77	.66	.53	.52
2 „	.57	.54	.58	·63	.59	.77	.81	.82	.76	.65	.54	.55
3 „	.58	.56	.58	.63	.60	.78	.81	·83	.75	.65	.56	.57
4 „	.62	.59	.63	.64	.61	.80	.81	.85	.75	.66	.60	.60
5 „	.67	.63	.64	.65	.65	.82	.83	.84	.80	.71	.68	.69
6 „	.73	.69	.71	.72	.70	.85	.85	.86	.84	.77	.73	.75
7 „	.74	.70	.74	.76	.74	.86	.86	.89	.87	.79	.75	.76
8 „	.75	.70	.74	.78	.76	.87	.87	.90	.88	.80	.75	.75
9 „	.76	.71	.76	.80	.77	.87	.89	.90	.87	.83	.76	.73
10 „	.78	.70	.77	.82	.77	.87	.88	.90	.89	.86	.76	.74
11 „	.79	.71	.79	.83	.78	.87	.90	.90	.88	.86	.76	.73

TABLE LXVII.—*Excess of the Mean Hourly Humidity of Air above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.07	0 06	0.08	0.08	0.07	0 03	0.04	0.02	0.04	0.08	0.05	0.06
1 A.M.	.10	.09	.08	.08	.08	.03	.03	.03	.04	.08	.10	.09
2 „	.09	.10	.08	.09	.09	.04	.03	.04	.04	.08	.12	.04
3 „	.10	.10	.09	.10	.10	.03	.03	.05	.04	.08	.14	.04
4 „	.10	.09	.10	.10	.09	.03	.04	.05	.05	.08	.13	.05
5 „	.07	.09	.12	.09	.10	.03	.03	.04	.07	.07	.10	.06
6 „	.08	.09	.14	.10	.09	.04	.04	.04	.08	.08	.09	.06
7 „	.08	.07	.11	.06	.03	.01	.02	.03	.06	.05	.06	.05
8 „	.04	- .02	.04	- .01	- .01	- .01	.01	.02	.02	.01	.01	.00
9 „	- .02	- .06	- .03	- .05	- .05	- .03	- .01	- .01	- .01	- .01	- .02	- .03
10 „	- .06	- .10	- .08	- .07	- .07	- .05	- .02	- .04	- .02	- .05	- .08	- .07
11 „	- .12	- .16	- .13	- .09	- .09	- .05	- .03	- .06	- .04	- .07	- .14	- .11
Noon.	- .15	- .19	- .15	- .11	- .11	- .05	- .04	- .07	- .06	- .09	- .18	- .15
1 P.M.	- .17	- .15	- .14	- .12	- .12	- .07	- .06	- .07	- .08	- .12	- .17	- .15
2 „	- .15	- .11	- .14	- .12	- .12	- .07	- .05	- .06	- .09	- .13	- .16	- .12
3 „	- .14	- .10	- .14	- .12	- .11	- .06	- .05	- .05	- .10	- .13	- .14	- .10
4 „	- .10	- .07	- .09	- .11	- .10	- .04	- .05	- .03	- .10	- .12	- .10	- .07
5 „	- .05	- .03	- .08	- .10	- .06	- .02	- .03	- .04	- .05	- .07	- .02	.02
6 „	.01	.03	- .01	- .03	- .01	- .01	- .01	- .02	- .01	- .01	.03	.08
7 „	.02	.04	.02	.01	.03	.02	.00	.01	.02	.01	.05	.09
8 „	.03	.04	.02	.03	.05	.03	.01	.02	.03	.02	.05	.08
9 „	.04	.05	.04	.05	.06	.03	.02	.02	.02	.05	.06	.06
10 „	.06	.04	.05	.07	.06	.03	.03	.02	.04	.08	.06	.07
11 „	.07	.05	.07	.08	.07	.03	.04	.02	.03	.08	.06	.06

TABLE LXVIII.—*Showing, for the Year* 1863, *the Mean Humidity of Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Humidity of Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
Midnight.	0·82	0·06	
1 A.M.	·83	·07	
2 „	·83	·07	Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } for Night.... 0·81
3 „	·84	·08	
4 „	·84	·08	
5 „	·83	·07	
6 „	·84	·08	Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon, 1, 2, 3, 4, 5, P.M. } for Day.... 0·71
7 „	·81	·05	
8 „	·77	·01	Mean Annual..... 0·76
9 „	·73	- ·03	
10 „	·70	- ·06	
11 „	·67	- ·09	
Noon.	·65	- ·11	
1 P.M.	·64	- ·12	TIMES OF MEAN MAXIMUM AND MINIMUM.
2 „	·65	- ·11	
3 „	·66	- ·10	Maximum uncertain.
4 „	·68	- ·08	Minimum at 1 P. M.
5 „	·72	- ·04	
6 „	·77	·01	
7 „	·79	·03	
8 „	·80	·04	
9 „	·80	·04	
10 „	·81	·05	
11 „	·82	·06	

TABLE LXIX.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Humidity of Atmospheric Air in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Humidity of Air.		Mean Diurnal Range.	The Time at which the Mean Hourly Humidity of Air was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
				H.	H.
January	0·82	0·55	0·27	3 & 4 A.M.	1 P.M.
February	·76	·47	·29	2 & 3 ,,	Noon.
March	·86	·57	·29	6 ,,	,,
April	·85	·63	·22	6 ,,	2 P.M.
May.....	·81	·59	·22	5 ,,	1 ,,
June.....	·88	·77	·11	2 & 6 ,,	1 & 2 ,,
July.....	·90	·80	·10	Uncertain.	1 ,,
August.....	·93	·81	·12	3 & 4 A.M.	Noon & 1 P.M.
September	·93	·75	·18	6 ,,	3 & 4 P.M.
October	·86	·65	·21	Uncertain.	2 & 3 ,,
November	·84	·52	·32	3 A.M.	Noon.
December.....	·76	·52	·24	1 A.M.& 7P.M.	Noon & 1 P.M.

TABLE LXX.—*Mean Pressure of Supposed Dry Air for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1			29.102	29.004	29.013		28.781	28.816	28.859	28.960		29.366
2	29.387	29.327		28.948	.061	28.911	.750		.856	.928	29.198	.461
3	.394	.231	.134		.786	.735	.852	.874	.931	.182	.569	
4		.184	.239	.917	28.933	.781	.759	.815	.885		.176	.433
5	.357	.243	.243		.914	.763		.865	.872	.934	.070	.354
6	.327	.306		.960	.843	.721	.725	.856		.922	.069	
7	.391	.377	.038	.988	.857		.648	.843	.873	.957	.153	.215
8	.348			29.005	.848	.672	.620	.817	.874	.976		.250
9	.309	.285	28.985	28.945	.878	.672	.630		.886	29.025	.241	.390
10	.354	.304	29.042	.953		.739	.661	.832	.905	28.986	.206	.328
11		.329	.210	.982	.846	.769	.716	.753	.881			.244
12	.350	.283	.274		.885	.770		.727	.905	.990	.399	.281
13	.313	.235	.294	.921	.867	.781	.820	.701		29.009	.365	
14	.344	.252	.248	.948	.841		.874	.722	.955	28.980	.236	.327
15	.398			.921	.850	.727	.879	.751	.942	.942		.355
16	.367		.233	.905	.811	.682	.838		.906	.883	.098	.387
17	.417	.283	.124	.875		.632	.830	.772	.937	.886	.082	.437
18		.321	.043	.802	.771	.634	.846	.796	.967		.113	.397
19	.353	.438	.132		.853	.659		.849	.965	.938	.147	.333
20	.351	.377	.155	.844	.893	.608	.750	.876		.944	.177	
21	.248	.360	.119	.768	.896		.778	.908	.962	.933	.191	.355
22	.398			.810	.895	.587	.789	.877	.965	.970		.418
23	.536	.395	.135	.778	.863	.633	.729		.999	29.006	.272	.387
24	.361	.377	.168	.843		.690	.731	.895	29.041	28.991	.315	.327
25		.383	.146	.873	.893	.681	.741	.930	28.992		.457	.300
26	.257	.313	.105		.912	.647		.911	.980	.965	.393	
27	.240	.239	.029	.894	.889	.665	.715			29.012	.295	
28	.287	.188	.060	.907	.860		.737	.923	.980	.005	.262	.360
29	.246			.935	.857	.725	.800	.900	.990	.228	.272	.418
30	.258		.184	29.023	.864	.754	.790	.878	.991	.187		.376
31	.294		.055		.829		.771			.117		.395

TABLE LXXI.—*Showing, for each Month, the Mean Pressure of Supposed Dry Air and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Pressure of Supposed Dry Air.	Difference from the Mean of the year.	FOR SEASONS.
	in.	in.	in.
January	29·342	0·310	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter 29·228
February	·306	·274	
March	·140	·108	
April	28·910	− ·122	Mean of { April, May, June, / July, Aug., Sept. } or Summer 28·836
May	·879	− ·153	
June.....	·704	− ·328	Mean of the Year .. 29 032
July.....	·758	− ·274	
August.....	·834	− ·198	Greatest Monthly Mean in Dec. .... 29·364
September	·932	− ·100	Least Monthly Mean in June ..... 28·704
October	·993	− ·039	
November	29·224	.192	Difference.... 0·660
December.....	·364	.332	

TABLE LXXII.—*Mean Pressure of Supposed Dry Air in each Month, for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in	in.	in.	in.	in.
Midnight.	29·337	29.319	29.150	28.907	28.873	28.714	28.762	28.858	28.821	28.985	29.250	29.369
1 A.M.	.318	.288	.129	.906	.859	.696	.755	.820	.813	.975	.195	.362
2 „	.324	.282	.116	.895	.847	.682	.749	.812	.809	.974	.176	.350
3 „	.316	.288	.110	.893	.843	.674	.744	.798	.809	.975	.162	.342
4 „	.326	.299	.112	.909	.857	.674	.743	.801	.809	.980	.180	.340
5 „	.359	.319	.128	.929	.871	.678	.753	.815	.822	29.011	.225	.344
6 „	.362	.354	.148	.942	.890	.696	.766	.835	.833	.027	.270	.359
7 „	.409	.392	.170	.952	.913	.713	.775	.854	.836	.039	.291	.386
8 „	.422	.402	.194	.976	.929	.726	.788	.864	.843	.049	.308	.409
9 „	.441	.433	.210	.982	.946	.738	.781	.875	.847	.033	.316	.427
10 „	.436	.433	.208	.978	.943	.738	.774	.878	.852	.053	.331	.424
11 „	.424	.431	.195	.956	.933	.736	.753	.862	.867	.022	.333	.405
Noon.	.390	.383	.168	.929	.920	.726	.743	.847	.866	28.986	.299	.380
1 P.M.	.352	.289	.136	.899	.890	.710	.731	.809	.856	.966	.235	.346
2 „	.296	.226	.110	.872	.863	.696	.717	.796	.835	.947	.195	.326
3 „	.280	.189	.091	.857	.834	.682	.720	.779	.833	.939	.165	.314
4 „	.256	.177	.084	.850	.827	.672	.726	.772	.824	.942	.141	.314
5 „	.257	.182	.086	.861	.832	.673	.736	.817	.844	.963	.138	.323
6 „	.266	.207	.097	.872	.846	.683	.754	.832	.846	.967	.141	.336
7 „	.291	.239	.112	.887	.857	.696	.778	.840	.846	.989	.156	.354
8 „	.313	.276	.135	.897	.864	.711	.785	.849	.846	29.010	.181	.374
9 „	.333	.291	.160	.899	.879	.728	.778	.867	.828	.002	.213	.388
10 „	.336	.321	.161	.902	.891	.733	.785	.877	.832	28.990	.233	.389
11 „	.344	.324	.156	.897	.882	.729	.778	.871	.828	.993	.240	.380

TABLE LXXIII.—*Excess of the Mean Hourly Pressure of Supposed Dry Air above the Monthly Mean.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	-0·005	0.004	0.010	-0.003	-0.006	0.010	0.005	0.024	0.002	0.000	0·026	0.005
1 A.M.	- .024	- .027	- .011	- .004	- .020	- .008	- .002	- .014	+ .012	- .010	+ .029	- .002
2 „	- .018	- ·033	- .024	- .015	+ .032	- .022	- .008	- .022	- .028	+ .011	- .048	- .014
3 „	+ .026	- .027	- .030	- .017	+ .036	- .030	- .013	- .036	- .031	+ .010	- .062	- .022
4 „	- .016	- .016	- .028	+ .001	+ .022	- .030	- .014	- .034	- .031	+ .005	- .044	- .024
5 „	.017	.004	- .012	.019	+ .008	- .026	.001	- ·019	+ .025	+ .026	.001	- .020
6 „	.020	.039	.008	.032	.011	- .008	.009	·001	- .007	.042	.046	- .005
7 „	.067	.077	.030	.042	.034	.009	.018	.020	.019	.054	.067	- .022
8 „	.080	.087	.054	.066	.050	.022	.031	·030	.037	.064	.084	·045
9 „	.099	.118	.070	.072	.067	.034	.024	·041	.050	.048	.092	.063
10 „	·094	.118	.068	.068	.064	.034	.017	·044	.051	.068	.107	.060
11 „	.082	.116	.055	.046	.054	.032	.004	·028	.039	.037	.109	.041
Noon.	.048	.068	.028	·019	.041	.024	- .014	·013	.020	.001	.075	.016
1 P.M.	.010	- .026	- ·004	+ .011	.011	.006	- .026	- ·025	- .004	+ .019	.011	- .018
2 „	- .046	- .089	- .030	- .038	- .016	- .008	- .040	- .038	- .026	+ .038	- .029	- .038
3 „	- .062	- .126	- .049	- .053	- .045	- .022	- .037	- .055	- .037	+ .046	- .059	- .050
4 „	- ·086	- .138	- .056	- .060	- .052	- .032	- .031	- .062	+ .042	+ .043	- .083	- .050
5 „	- .085	- .133	- .054	+ .049	- .047	- .031	- .021	- .017	- .040	+ .022	- .086	- .041
6 „	- .076	- .108	- .043	+ .038	- .033	- .021	- .003	- .002	- ·029	+ .018	- .083	- .028
7 „	- .041	- .076	- .028	- .023	+ .022	- .008	.021	.006	- ·011	.004	- ·068	- .010
8 „	- .029	- .039	- .005	- .013	+ .015	- .007	.028	.015	.006	.025	- .043	.010
9 „	- .009	- .024	.020	+ .011	.000	.024	.021	·033	.025	.017	+ .011	.024
10 „	- .006	.006	.021	+ .008	.012	.029	.028	.043	.026	.005	.009	.025
11 „	.002	.009	.016	- .013	.003	.025	.021	.037	.017	.008	.016	.016

TABLE LXXIV.—*Showing, for the Year 1863, the Mean Pressure of Supposed Dry Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Pressure of Supposed Dry Air.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	29·039	0·007
1 A.M.	·024	+ ·008
2 „	·000	+ ·032
3 „	·012	- ·020
4 „	·018	+ ·014
5 „	·034	·002
6 „	·053	·021
7 „	·074	·042
8 „	·090	·058
9 „	·100	·068
10 „	·100	·068
11 „	·085	·053
Noon.	·060	·028
1 P.M.	·024	+ ·008
2 „	28·996	+ ·036
3 „	·976	- ·056
4 „	·968	+ ·064
5 „	·971	- ·061
6 „	·981	+ ·051
7 „	·999	- .033
8 „	29·020	+ ·012
9 „	·037	·005
10 „	·046	·014
11 „	·046	·014

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night..	29·021
Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5. P.M.} or Day....	29·042
Mean Annual.....	29·032

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 2 A.M.
A Maximum between 9 & 10 A.M.
A Minimum at 4 P.M.
A Maximum between 10 & 11 P.M.

TABLE LXXV.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Pressure of Supposed Dry Air, in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Pressure of Supposed Dry Air.				Mean Diurnal Range.	The Time at which the Mean Hourly Pressure of Supposed Dry Air was at its			
	Morning.		Evening.			Morning.		Evening.	
	Minimum.	Maximum.	Minimum.	Maximum.		Minimum.	Maximum.	Minimum.	Maximum.
	in.	in.	in.	in.	in.	H.	H.	H.	H.
January	29·316	29·441	29·256	29·344	0·185	3 A.M.	9 A.M.	4 P.M.	11 P.M.
February	·282	·433	·177	·324	·256	2 ,,	9 & 10 ,,	4 ,,	11 ,,
March	·110	·210	·084	·164	·126	3 ,,	9 ,,	4 ,,	10 ,,
April	28·893	28·982	28·850	28·902	·132	3 ,,	9 ,,	4 ,,	10 ,,
May	·843	·946	·827	·891	·119	3 ,,	9 ,,	4 ,,	10 ,,
June	·674	·738	·672	·733	·066	3 & 4 ,,	9 & 10 ,,	4 ,,	10 ,,
July	·743	·788	·717	·785	·071	4 ,,	8 ,,	2 ,,	10 ,,
August	·798	·878	·772	·877	·106	3 ,,	10 ,,	4 ,,	10 ,,
September	·902	·984	·891	·959	·093	3 & 4 ,,	10 ,,	4 ,,	10 ,,
October	·974	29·053	·939	29·010	·114	2 ,,	10 ,,	3 ,,	8 ,,
November	29·162	·333	29·138	·250	·195	3 ,,	11 ,,	5 ,,	Midnight.
December	·340	·427	·314	·389	·113	4 ,,	9 ,,	3 & 4 ,,	10 P.M.

TABLE LXXVI.—*Weight in Grains of a Cubic Foot of Common Air for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1			503	499	494		493	497	500	499		505
2	511	510		497	494	489	494		500	498	503	508
3	511	508	505			489	493	498	500	497	503	507
4		507	507	497	493	488	494	497	501		503	505
5	510	507	506		494	491		497	502	496	502	507
6	509	508		500	493	491	493	497		496	504	
7	510	508	502	497	492		495	497	505	497	505	506
8	510			497	491	494	496	497	503	498		508
9	509	508	501	496	492	493	496		499	498	504	510
10	509	510	503	496		497	497	499	403	498	507	509
11		509	506	497	492	495	494	498	501			508
12	508	507	508		492	495		501	501	499	507	508
13	509	508	508	496	492	497	500	500		499	508	
14	510	507	506	496	492		497	501	499	498	508	508
15	512			496	492	500	497	500	499	498		508
16	512		503	495	492	495	496		498	496	499	510
17	512	510	502	496		494	496	499	501	496	501	512
18		509	502	493	490	495	498	499	502		500	511
19	513	509	503		491	493		502	500	497	500	510
20	512	509	503	494	491	494	496	501		494	500	
21	509	502	501	492	490		495	502	499	496	501	510
22	517			491	491	491	495	501	499	499		512
23	520	506	503	491	491	493	500		499	500	505	511
24	515	506	501	492		494	500	501	501	500	507	510
25		506	500	493	491	493	500	500	499		509	509
26	509	504	499		492	492		498	498	498	509	
27	508	501	497	492	492	491	495			503	508	
28	506	503	496	492	491		495	501	499	506	508	510
29	505			493	490	494	499	499	500	506	508	511
30	507		499	494	490	493	497	499	499	504		513
31	510		500		489		499			503		511

TABLE LXXVII.—*Showing, for each Month, the Mean Weight in Grains of a Cubic Foot of Common Air and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Weight of Air.	Difference from the Mean of the year.	FOR SEASONS.	
	grs.	grs.		grs.
January.....	511	11	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	506
February.....	507	7		
March.....	503	3		
April	495	− 5	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer	495
May.....	492	− 8		
June.....	493	− 7		
July.....	493	− 7	Mean of the Year....	500
August	499	− 1		
September	500	0	Greatest Monthly Mean in January	511
October	499	− 1	Least Monthly Mean in May	492
November	504	4		
December.....	509	9	Difference.....	19

TABLE LXXVIII.—*Mean Weight in Grains of a Cubic Foot of Common Air in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	515	512	507	498	495	495	497	502	503	502	509	513
1 A.M.	515	513	506	499	496	496	499	502	504	502	509	513
2 „	514	513	507	498	496	496	498	501	504	504	509	513
3 „	515	513	507	500	496	495	498	501	504	504	509	514
4 „	515	513	508	500	496	495	498	501	504	504	509	514
5 „	516	514	508	503	498	496	498	501	504	505	511	514
6 „	517	516	509	501	497	495	498	502	504	505	511	516
7 „	517	515	508	499	495	494	497	502	505	503	510	515
8 „	516	513	507	497	492	493	497	500	502	500	509	513
9 „	513	510	502	494	491	493	496	499	500	499	507	511
10 „	511	507	500	492	490	491	495	498	499	497	503	509
11 „	508	502	499	491	488	491	494	497	498	495	501	506
Noon.	503	498	497	489	487	490	493	496	497	493	496	501
1 P.M.	500	495	495	489	486	489	493	495	496	492	494	499
2 „	500	495	494	488	485	489	492	495	496	491	494	498
3 „	500	496	494	488	485	490	492	495	495	491	494	499
4 „	501	497	496	488	486	491	493	495	495	491	495	500
5 „	506	500	497	489	488	491	494	496	496	495	499	504
6 „	508	505	500	492	490	493	495	498	499	498	501	507
7 „	509	506	502	495	493	494	497	500	501	499	504	509
8 „	511	508	505	497	495	494	497	500	503	499	504	510
9 „	511	509	505	497	495	496	497	502	504	501	507	510
10 „	513	510	506	497	496	496	497	502	504	502	508	512
11 „	513	511	507	498	496	496	499	502	504	502	508	512

TABLE LXXIX.—*Showing, for the Year* 1863, *the Mean Weight of a Cubic Foot of Common Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Common Air.	Difference from the Mean of the Whole.	FOR DAY AND NIGHT.
	grs.	grs.	
Midnight.	504	4	
1 A.M.	501	4	
2 ,,	504	4	
3 ,,	505	5	grs.
4 ,,	505	5	Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night 503
5 ,,	506	6	
6 ,,	506	6	
7 ,,	505	5	
8 ,,	503	3	Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day 498
9 ,,	501	1	
10 ,,	499	−1	Mean Annual 500
11 ,,	498	−2	
Noon.	495	−5	
1 P.M.	494	−6	
2 ,,	493	−7	
3 ,,	493	−7	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 ,,	494	−6	
5 ,,	496	−4	
6 ,,	499	−1	A Maximum between 5 & 6 A.M.
7 ,,	501	1	A Minimum between 2 & 3 P.M.
8 ,,	502	2	
9 ,,	503	3	
10 ,,	504	4	
11 ,,	504	4	

TABLE LXXX.—*Weight of Vapour in a Cubic Foot of Common Air for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1			8.7	8.9	8.3		9.8	9.5	9.2	8.9		6·3
2	6.2	6.6		8.9	8.0	9.1	9.5		9.2	8.9	7.4	5.5
3	6.2	7.2	7.4			9.1	9.5	9.2	9.2	9.2	7.4	4.1
4		7.2	6.4	9.7	8.8	9.4	9.5	9.5	9.2		7.1	5·5
5	6.6	6.6	6.4		9.1	9.8		9.2	9.2	8.9	8.1	6.3
6	6.4	6.1		8.9	9.5	9.8	9.5	9.2		9.2	8.1	
7	5.9	5.9	8.1	8.4	9.4		9.5	9.2	9.0	9.2	7.7	7.2
8	7.7			8.0	9.4	9.8	9 5	9.5	9.3	9.2		7.2
9	7.2	6.4	9.2	8.6	9.1	9.8	9·6		9.5	8.9	6.9	6.2
10	6.8	6.0	8.7	9.1		9.5	9.9	9.2	9.2	9.2	7.4	7·0
11		5.5	7.0	8.7	9.4	9.8	9.8	9.2	9.2			7.7
12	6.8	6.1	6.4		8.8	9.8		9.3	9.2	9.2	5.9	7.4
13	6.8	6.8	5.9	8.8	8.8	9.5	9.5	9.3		9.2	5.9	
14	6.2	6.8	6.1	8.6	9.1		9.5	9.3	9.2	8.9	7·2	7·2
15	6.0			8.8	9.1	9.6	9.5	9.6	8.9	9.5		6.8
16	6.4		6.7	8.8	9.5	9.5	9.5		9.2	9.8	8.4	6.4
17	6.2	6.4	7.7	8.9		9.8	9.5	9.5	8.9	9.8	8.7	5.3
18		6.0	8.1	9.2	9.4	9.9	9.5	9.2	8.9		8.4	5.8
19	7.0	5.0	7.7		8.8	9.8		9.3	9.2	8.9	8.3	6.8
20	6.8	6.1	7.3	9.2	8.8	9.9	9.5	9.5		8.0	7.8	
21	7.2	6.1	8.1	9.8	8.8		9.5	9.5	8.7	8.8	7.3	7.0
22	6.6			9.4	8.8	9.8	9.5	9.2	8.7	9.2		6.4
23	5.4	5.7	7.9	10.0	9.4	10.1	9.6		8.7	8.9	7.3	6.4
24	6.0	6.1	7.8	9.5		9.8	9.3	9.2	8.7	9.2	6.9	6·8
25		5.7	8.0	9.2	9.4	9.8	9.6	9.2	8.9		5.3	7.0
26	7.4	6.3	8.3		9.4	9.8		9.2	8.9	8.7	5.8	
27	7.4	6.9	8.7	9.4	9.4	9.8	9.5			7.9	6.6	
28	6.7	7.1	8.0	9.4	9.4		9.5	9.2	8.9	7.4	7.0	6.6
29	6.8			9.1	9.4	9.8	9.2	9.2	8.9	7.7	7.4	6.0
30	6.8		6.9	8.3	9.1	9.8	9.5	9.2	8.9	7.7		5.2
31	6.8		8.2		9.1		9.5			7.9		5.8

TABLE LXXXI.—*Showing, for each Month, the Mean Weight of Vapour in a Cubic Foot of Common Air and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Weight of Vapour.	Difference from the Mean of the year.	FOR SEASONS.
	grs.	grs.	
January	6·6	− 1·6	Mean of {Jan., Feb., March, / Oct., Nov., Dec.} or Winter ..... grs. 7·2
February	6·3	− 1·9	
March	7·6	− 0·6	
April	8·8	0·6	Mean of {April, May, June, / July, Aug., Sept.} or Summer ..... 9·2
May	9·1	0·9	
June	9·7	1·5	Mean of the Year ..... 8·2
July	9·5	1·3	
August	9·3	1·1	Greatest Monthly Mean in June ..... 9·7
September	9·0	0·8	Least Monthly Mean in February ..... 6·3
October	8·8	0·6	
November	7·3	− 0·9	Difference ..... 3·4
December	6·4	− 1·8	

TABLE LXXXII.—*Mean Weight in Grains of Vapour in a Cubic Foot of Common Air in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	6.6	6.2	7.7	9.2	9.2	9.3	9.5	9.2	8.9	8.9	7.0	6.4
1 A.M.	6.3	6.4	7.7	8.9	9.2	9.5	9.5	9.3	8.9	8.9	7.4	6.2
2 „	6.6	6.4	7.4	8.9	9.2	9.5	9.5	9.3	8.7	8.9	7.7	6.0
3 „	6.6	6.2	7.4	8.9	9.2	9.5	9.2	9.3	8.7	8.7	7.7	6.0
4 „	6.6	6.2	7.3	8.9	9.2	9.5	9.2	9.3	8.8	8.7	7.4	6.0
5 „	6.2	6.0	7.7	8.7	9.2	9.5	9.2	9.3	9.0	8.7	7.2	6.0
6 „	6.2	6.0	7.7	8.9	9.2	9.5	9.2	9.3	8.9	8.7	7.0	6.0
7 „	6.2	5.8	7.7	8.8	9.1	9.8	9.5	9.3	8.9	8.7	7.0	6.0
8 „	6.2	6.0	7.7	8.8	9.1	9.8	9.5	9.2	9.2	8.9	6.9	6.0
9 „	6.2	5.7	7.3	8.8	9.1	9.8	9.5	9.2	9.2	8.9	6.9	5.9
10 „	6.1	5.7	7.3	8.8	9.0	9.8	9.8	9.2	9.2	8.9	6.7	6.1
11 „	6.1	5.5	7.3	8.8	9.0	9.8	9.8	9.5	9.5	8.8	6.5	5.9
Noon.	6.1	5.7	7.6	9.0	9.0	9.8	9.8	9.5	9.2	8.8	6.7	5.9
1 P.M.	6.3	6.5	7.3	9.0	9.0	9.8	9.8	9.5	9.2	8.8	6.8	6.3
2 „	6.7	6.7	7.3	9.0	9.0	9.8	9.8	9.5	8.9	8.8	7.0	6.5
3 „	6.7	6.9	7.3	9.0	9.3	9.8	9.8	9.5	8.8	8.8	7.3	6.7
4 „	6.9	7.1	7.6	9.0	9.0	9.8	9.5	9.8	8.8	8.8	7.6	6.9
5 „	6.9	7.1	7.6	8.8	9.1	9.8	9.5	9.2	9.2	8.6	7.8	7.1
6 „	7.0	6.9	7.7	8.8	9.1	9.8	9.2	9.2	9.2	8.9	7.9	7.4
7 „	7.0	6.9	7.7	8.9	9.1	9.8	9.2	9.2	9.2	8.9	7.9	7.4
8 „	7.0	6.8	7.7	8.9	9.2	9.8	9.2	9.2	9.2	8.9	7.9	7.2
9 „	6.8	6.6	7.7	9.2	9.2	9.8	9.5	9.2	9.0	8.9	7.7	6.8
10 „	6.8	6.0	7.7	9.2	9.2	9.8	9.5	9.2	8.9	8.9	7.4	6.6
11 „	6.6	6.2	7.7	9.2	9.2	9.8	9.5	9.2	8.9	8.9	7.2	6.4

TABLE LXXXIII.—*Showing, for the Year* 1863, *the Mean Weight of Vapour in a Cubic Foot of Common Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour.	Difference from the Mean of the Whole.
	grs.	grs.
Midnight.	8·2	0·0
1 A.M	8·2	0·0
2 ,,	8·2	0·0
3 ,,	8·1	− 0·1
4 ,,	8·1	− 0·1
5 ,,	8·1	− 0·1
6 ,,	8·1	− 0·1
7 ,,	8·1	− 0·1
8 ,,	8·1	− 0·1
9 ,,	8·0	− 0·2
10 ,,	8·0	− 0·2
11 ,,	8 0	− 0·2
Noon.	8·1	− 0·1
1 P.M.	8.2	0·0
2 ,,	8·3	0·1
3 ,,	8·3	0·1
4 ,,	8·4	0·2
5 ,,	8·4	0·2
6 ,,	3·4	0·2
7 ,,	8·4	0·2
8 ,,	8·4	0·2
9 ,,	8·3	0·1
10 ,,	8·2	0·0
11 ,,	8·2	0·0

FOR DAY AND NIGHT.

	grs.
Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night	8·2
Mean of { 6, 7, 8, 9 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day	8·2
Mean Annual.....	8.2

TABLE LXXXIV.—*Weight of Vapour required for complete Saturation of a Cubic Foot of Common Air for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
1			1.8	2.2	4.2		2.4	1.6	1.3	2.2		4.2
2	2.8	2.4		2.6	4.5	4.2	2.3		1.3	2.2	3.2	4.4
3	2.8	2.4	2.5			4.2	2.3	1.6	1.3	2.3	3.1	6.1
4		2.4	2.9	1.4	3.7	4.3	2.3	1.6	1.3		3.4	5·0
5	2.7	3.0	3.2		3.4	2.7		1.9	1.3	2.9	2.4	3.6
6	2.9	3.2		1.9	3.0	2.7	2.3	1.9		2.6	2.1	
7	3.1	3.7	2.4	3.1	3.5		1.3	1.9	0.3	2.6	2.5	2.7
8	1.6			3.5	3.9	1.3	1.0	1.6	0.9	2.6		2.4
9	1.9	3.2	1.6	3.2	3.8	1.7	0.9		1.3	2.9	3.6	3.1
10	2.8	2.3	1.8	3.1		1.3	0.6	1.3	1.0	2.3	2.5	2.6
11		3.3	2.9	3.1	3.1	1.7	1.7	1.3	1.3			2.2
12	3.1	3.5	2.9		3.7	1.7		0·6	1.3	2.3	4.3	2.5
13	2.5	2.5	3.4	3.0	3.7	1.3	1.0	0.9		2.3	3.7	
14	2.8	2.5	3.5	3.2	3.4		2.0	0.6	1.9	2.6	2.4	2.7
15	2.8			3.0	3.4	0.6	2.0	0.6	1.9	2.0		3.1
16	2.4		3.8	3.0	3.0	1.3	2.0		1.9	2.4	3.1	2.9
17	2.6	2.4	2.8	2.6		1.3	2.0	1.0	1.6	2.0	2.4	3.5
18		3.0	2.4	3.0	3.3	0.9	1.3	1.3	1.6		3.1	3.0
19	1.8	4.3	2.8		4.1	1.7		0.9	1.6	2.6	3.2	2.5
20	2.0	3.5	3.2	3.0	4.1	0.9	1.6	1.0		4.2	3·7	
21	2.1	4.7	2.7	2.7	4 5		2.0	1·0	2.1	3.0	3.3	2.6
22	1.4			3·5	4.5	2.0	2.0	1.3	2.1	1.9		2·6
23	1.9	4.5	2.6	2.9	3.9	1.4	0.6		2.4	2·2	3.2	2.6
24	2.0	4.1	3.3	3.4		1.7	0.9	1.3	2.1	1·9	3.3	2.5
25		4·5	3.5	3.3	3.9	2.0	0.6	1.6	2.2		4.3	2.6
26	2.2	4.2	3.2		3.9	2.0		1.9	2.6	2.4	3.5	
27	2.5	3.9	3.1	3.5	3.5	2.4	1.6			2.3	3·0	
28	3.5	3.4	4.2	3.9	3.9		1.6	1.3	2.2	2.5	2.6	2.7
29	3.4			3.8	3.9	2.0	1.3	1.6	1.9	2.5	2·5	3.0
30	2.8		4.2	4.2	4.2	2.4	1.3	1.6	2.2	2.8		2.3
31	2.2		2.6		4.2		1.0			2·6		3.0

TABLE LXXXV.—*Showing, for each Month, the Mean Weight of Vapour required for complete Saturation of a Cubic Foot of Common Air, and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Weight of Vapour for Saturation.	Difference from the Mean of the Year.	FOR SEASONS.	
	grs.	grs.		grs.
January	2·5	−0·1	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	2·9
February	3·4	0·8		
March	2·9	0·3		
April	3·4	0·8	Mean of { April, May, June, / July, Aug., Sept. } or Summer....	2·3
May	3·8	1·2		
June	2·1	−0·5	Mean of the Year	2·6
July	1·6	−1·0		
August	1·3	−1·3	Greatest Monthly Mean in May	3·8
September	1·7	0·9	Least Monthly Mean in August	1·3
October	2·5	−0·1		
November	3·1	0·5	Difference.....	2·5
December	3·1	0·5		

TABLE LXXXVI.— *Mean Weight in Grains of Vapour required for complete Saturation of a Cubic Foot of Common Air in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.	grs.
Midnight.	1.6	2.3	1.9	1.9	2.6	1.3	1.3	1.0	1.3	1.6	2.3	2.1
1 A.M.	1.4	2.1	1.9	1.9	2.3	1.3	1.0	0.9	1.0	1.6	1.9	2.3
2 „	1.6	1.8	1.9	1.9	2.3	1.3	1.0	0.9	1.2	1.3	1.3	2.5
3 „	2.2	2.0	1.9	1.6	2.3	1.3	1 3	0.9	1.2	1.5	2.7	2.2
4 „	2.2	2.0	1.7	1.6	2.3	1.3	1.3	0.9	1.1	1.5	1.6	2.2
5 „	1.6	2.0	1.3	1.5	1.9	1.3	1.3	0.9	0.9	1.2	1.6	2.2
6 „	1.6	1.8	1.3	1.6	2.3	1.6	1.3	0.9	1.0	1.2	1.8	2.0
7 „	1.6	2.2	1.6	2.3	3.1	1.7	1.3	0.9	1.0	1.9	2.0	2.2
8 „	2.0	2.5	2.2	3 0	3.8	2.0	1.3	1.3	1.3	2.2	2.7	2.8
9 „	2.6	3.6	3.2	3.7	4.6	2.4	1.6	1.6	1.6	2.6	3.3	3.4
10 „	3.2	4.5	4.2	4.5	5.1	2.7	1.7	1.9	1.9	3.3	4.1	3.8
11 „	4.1	5.6	4.5	4.9	5.5	2.7	2.0	2.0	2.0	3.7	5.0	4.6
Noon.	4.7	6.5	4.6	5.1	5.9	2.7	2 4	2.0	2.6	4.5	5.8	5 6
1 P.M.	5.2	6.0	5.2	5.1	6.3	3.1	2.4	2.3	2.6	4.9	6.1	5.5
2 „	4.8	5.8	5.2	5.1	6.0	3.1	2.4	2.3	2.9	4.5	5.9	5.7
3 „	4.8	5.3	5.2	5.1	5.9	2.7	2.4	2.0	3.4	4.5	5.6	5.1
4 „	4.2	4.7	4.9	5.1	5.0	2.4	2.3	1.7	3.0	3.4	4.9	4.6
5 „	3.3	4.0	4.2	4.9	4.2	2.4	2.0	1.9	2.3	2.9	3.7	3.4
6 „	2.6	3.3	3.2	3.7	3.4	2.0	1.9	1.6	1.6	2.2	2.9	2.5
7 „	2.3	3.0	2.8	2.9	3.0	1.7	1.6	1.3	1.3	2 2	2.6	2.2
8 „	2.0	2.8	2.5	2.6	3.0	1.7	1.6	1.3	1.0	1.9	2.6	2.1
9 „	2.2	2.7	2.5	2.3	3.0	1.3	1.3	1.0	1.2	1.6	2.2	2.5
10 „	1.7	3.0	2.2	2.3	2.6	1.3	1.3	1.0	1.3	1.6	2.2	2.2
11 „	1.9	2.6	1.9	1.9	2.6	1.3	1.0	1.0	1.3	1.6	2.4	2.4

TABLE LXXXVII.—*Showing, for the Year* 1863, *the Mean Weight of Vapour required for complete Saturation of a Cubic Foot of Common Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Weight of Vapour for Saturation.	Difference from the Mean of the whole.
	grs.	grs.
Midnight.	1·8	− 0·8
1 A.M.	1·6	− 1·0
2 „	1·6	− 1·0
3 „	1·8	− 0·8
4 „	1·6	− 1·0
5 „	1·5	− 1·1
6 „	1·5	− 1·1
7 „	1·8	− 0·8
8 „	2·3	− 0·3
9 „	2·8	0·2
10 „	3·4	0·8
11 „	3·9	1·3
Noon.	4·4	1·8
1 P.M.	4·6	2·0
2 „	4·5	1·9
3 „	4·3	1·7
4 „	3·9	1·3
5 „	3·3	0·7
6 „	2·6	0·0
7 „	2·2	− 0·4
8 „	2·1	− 0·5
9 „	2·0	− 0·6
10 „	1·9	− 0·7
11 „	1·8	− 0·8

FOR DAY AND NIGHT.

	grs.
Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night ..	1·9
Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M.} or Day	3·4
Mean Annual....	2·6

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum between 5 and 6 A.M.
A Maximum at 1 P.M.

TABLE LXXXVIII.—*Quantity of Water actually evaporated in the Atmospheric Air for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
1			0.234	0.215	0.402		0 237	0.161	0.107	0.202		0.398
2	0.276	0.228		.259	.418	0.411	.224		.134	.192	0.312	.420
3	.280	.208	.219			.370	.203	.147	.137	.222	.286	.550
4		.207	.260	.229	.337	.403	.203	.157	.115		.320	.441
5	.261	.273	.297		.309	.261		.176	.095	.257	.206	.352
6	.272	.297		.194	.289	.257	.214	.185		.252	.189	
7	.284	.339	.216	.286	.311		.129	.178	.048	.238	.239	.249
8	.258			.315	.357	.135	.103	.160	.072	.240		.242
9	.241	.286	.169	.303	.368	.178	.084		.139	.260	.318	.289
10	.260	.276	.193	.282		.123	.083	.141	.094	.230	.235	.234
11		.306	.264	.291	.307	.160	.156	.119	.123			.205
12	.288	.330	.269		.352	.161		.060	.121	.217	.410	.233
13	.233	.233	.315	.274	.352	.104	.090	.076		.227	.340	
14	.262	.214	.329	.312	.318		.167	.052	.163	.241	.241	.247
15	.265			.279	.312	.054	.197	.066	.161	.201		.296
16	.206	.237	.347	.288	.286	.105	.192		.167	.212	.287	.289
17	.241	.281	.274	.246		.124	.178	.108	.135	.219	.248	.315
18		.392	.267	.262	.312	.082	.144	.104	.139		.282	.285
19	.163	.320	.280		.360	.160		.077	.168	.262	.308	.241
20	.193	.430	.294	.264	.400	.084	.151	.083		.380	.334	
21	.200		.245	.261	.406		.160	.111	.214	.296	.315	.248
22	.146	.418		.346	.401	.164	.186	.121	.196	.191		.264
23	.184	.385	.256	.289	.386	.133	.081		.236	.195	.297	.262
24	.198	.430	.308	.304		.166	.065	.115	.216	.197	.292	.238
25		.395	.323	.296	.365	.190	.068	.154	.193		.398	.256
26	.201	.357	.293		.375	.168		.160	.229	.233	.328	
27	.231	.307	.290	.341	.345	.219	.142			.210	.276	
28	.327		.370	.340	.354		.168	.121	.182	.243	.250	.261
29	.310			.355	.363	.187	.115	.152	.178	.231	.228	.281
30	.272		.402	.406	.381	.235	.140	.140	.209	.259		.225
31	.221		.226		.389		.109			.248		.267

TABLE LXXXIX.—*Showing, for each Month, the Quantity of Water actually evaporated in the Air and its Periodic Changes from the Mean of the Year.*

Months. 1863.	Quantity of Water evaporated in the Air.	FOR SEASONS.	
	in.		in.
January	7·378	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	49·319
February	8·624		
March	8·432	Mean of { April, May, June, / July, Aug., Sept. } or Summer	38·005
April	8·670		
May	10·974	Total Quantity for the year	87·324
June	5·430		
July	4·588	Greatest Monthly Evaporation in May	10·974
August	3·813	Least Monthly Evaporation in August	3·813
September	4·530		
October	7·285	Difference..	7·161
November	8·610		
December	8·990		

TABLE XC.—*Mean Quantity of Water evaporated in the Air in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.	in.
Midnight.	0.006	0.009	0.007	0.007	0.010	0.006	0.004	0.004	0.004	0.006	0.009	0.009
1 A.M.	.006	.008	.007	.007	.009	.005	.004	.003	.004	.006	.007	.009
2 „	.006	.007	.007	.007	.009	.005	.004	.003	.004	.006	.006	.009
3 „	.005	.008	.007	.006	.009	.005	.004	.003	.004	.005	.005	.009
4 „	·005	.008	.006	.006	.009	.006	.004	.003	.004	.005	.006	.009
5 „	.006	.007	.005	.006	.008	.005	.004	.003	.003	.006	.006	.008
6 „	.006	.008	.005	.006	.009	.009	.004	.003	·003	.005	.007	.008
7 „	.006	.009	.006	.008	.012	.007	.005	.003	.004	.007	.008	·009
8 „	.008	.010	.009	.012	.015	.008	.006	.004	.005	.009	.010	.011
9 „	.010	.014	.013	.015	.018	.009	.007	.006	.007	.010	.013	.013
10 „	.012	.017	.016	.017	.020	.010	.007	.007	.008	.013	.016	.015
11 „	.015	.022	.018	.018	.022	.011	.008	.008	.009	.014	.020	.018
Noon.	.018	.026	.019	.020	.024	.011	.009	.009	.010	.016	.023	.021
1 P.M.	.020	.024	.020	·020	.025	.011	.009	.010	.011	.018	.024	.022
2 „	.019	.022	·020	.021	.025	.012	.009	·010	.011	.018	.024	.021
3 „	.018	.021	.020	.021	.024	.011	.009	·007	.012	.018	.022	.020
4 „	.017	.019	.019	.020	.023	.010	.009	.007	.012	.017	.020	.018
5 „	.013	.016	.016	.018	.020	.009	.008	.007	.009	.014	.014	.013
6 „	.010	.012	.012	.014	.015	.007	.006	.006	.007	.010	.011	.010
7 „	.009	.011	.010	.011	.013	.007	.006	.005	.005	.009	.010	.009
8 „	.009	.011	.010	.010	.011	.006	.005	.004	.005	.009	.010	.009
9 „	.008	.010	.009	.009	.011	.006	.005	.004	.005	.007	.009	.010
10 „	.007	.010	.009	.008	.011	.006	.005	.004	.004	.006	.009	.009
11 „	.007	.010	.008	.007	.010	.006	.004	.004	.005	.006	.009	.009

TABLE XCI.—*Showing, for the Year* 1863, *the Mean Quantity of Water actually evaporated in the Atmospheric Air for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Quantity of Water Evaporated.	Difference from the Mean of the Whole.
	in.	in.
Midnight.	0·007	−0·003
1 A.M.	·006	− ·004
2 ,,	·006	− ·004
3 ,,	·006	− ·004
4 ,,	·006	− ·004
5 ,,	·006	− ·004
6 ,,	·006	− ·004
7 ,,	·007	− ·003
8 ,,	·009	− ·001
9 ,,	·012	·002
10 ,,	·013	·003
11 ,,	·015	·005
Noon.	·017	·007
1 P.M.	·018	·008
2 ,,	·018	·008
3 ,,	·017	·007
4 ,,	·016	·006
5 ,,	·013	·003
6 ,,	·010	·000
7 ,,	·009	− ·001
8 ,,	·008	− ·002
9 ,,	·008	− ·002
10 ,,	·007	− ·003
11 ,,	·007	− ·003

FOR DAY AND NIGHT.

	in.
Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night..	0·007
Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon, 1, 2, 3, 4, 5, P.M.} or Day....	0·014
Mean Annual.....	0·010

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at about 5 A. M.
A Maximum at about 1 and 2. P. M.

WIND.

The Direction of Wind was taken from Osler's self-registering Anemometer erected on the western roof of the Astronomical Observatory; but its force on ordinary occasions was taken by Lynd's Wind Gauge, or by estimation, as the instrument never registers a force of less than two pounds. In all storms, squalls and high winds the force of wind was taken from Osler's Gauge.

During the months of November, December, January, February, March and April the wind blows alternately from the sea and land within every 24 hours. In the rainy or monsoon months, *i. e.* June, July, August and September, it blows from W and SW, and all distinction between land and sea breezes disappears. The months of May and October are what may be called the months of change; during these months the wind is generally unsettled, or the direction in which it may blow is not certain.

Those days in the year on which the wind quits its usual direction and blows from points of the compass widely different, are termed abnormal days, and the days on which it sweeps round the whole of the compass, and of course the mean direction of it cannot be deduced therefrom, are called circular days. When the wind veers round N, E, S, W the motion is called direct; and when it veers round N, W, S, E it is called retrograde.

The following is the list of abnormal and circular days in the year 1863 :—

JANUARY 19th—The wind veered round from ENE to NW by direct circular motion of 248° in 2 hours.
„ 20th „ NW to E „ 135 instantly.
„ 21st „ E to S „ 90 in 4 hours.
„ 22nd „ S b W to NE b N „ 202 in 4 hours.

FEBRUARY.—The wind did not take any unusual sweeps in this month.

MARCH 1st.—The wind veered round from NNW to WNW by direct circular motion of 337 in 4 hours.
„ 7th „ NNW to NW „ 337 in 6 hours.
„ 8th „ SW b W to WSW „ 371 in 7 hours.
„ 22nd „ NW b W to WNW „ 348 in 6 hours.
„ 27th „ NNW to NNW „ 360 in 6 hours.

APRIL 10th „ N b E to W „ 259 in 3 hours.
„ 12th „ N b W to W b N „ 292 in 4 hours.
„ 16th „ N E to W „ 225 in 30 minutes.
„ 24th „ WSW to ENE „ 180 instantly.
„ 25th „ ENE to WNW by retrograde motion of 495 in 18 hours.

MAY 1st „ NW b W to W b N by direct circular motion of 337 in 3 hours.

JUNE 13th.—The direction of wind was shifting.
„ 14th „
„ 20th.—The wind veered round from SW to ESE by retrograde motion of 113° within a few minutes.
„ 20th „ ESE to SW by direct circular motion of 473 within a few minutes.

JULY 9th „ SW to SW „ 360 in 12 hours.

AUGUST 25th „ WSW to NW „ 428 in 9 hours.

SEPTEMBER 1st „ W to N „ 450 in 14 hours.
„ 1st „ N to S by retrograde motion of 180 in 3 hours.
„ 4th „ N b W to W „ 438 in 9 hours.
„ 5th „ NW to NE by direct circular motion of 450 in 16 hours.
„ 8th „ W to NW „ 405 in 9 hours.
„ 11th „ NW to NW „ 360 in 8 hours.
„ 17th „ SSE to ENE „ 270 in 6 hours.
„ 18th „ E to W „ 180 instantly.
„ 20th „ W to NW „ 405 in 3 hours.
„ 22nd „ NW b W to SW „ 258 in 5 hours.

OCTOBER 3rd „ NW b N to W b N „ 315 in 5 hours.
„ 4th „ ENE to WNW „ 225 in 13 hours.
„ 6th „ NW to W b S „ 304 in 7 hours.
„ 10th „ NE to NW „ 270 in 1 hour.
„ 11th „ NNW to W „ 293 in 12 hours.
„ 17th „ NNW to NW b N „ 349 in 9 hours.
„ 21st „ SE b S to W b S „ 113 in 2 hours.
„ 23rd.—The wind blew in an unusual direction on this day.
„ 24th „ „
„ 27th „ „

NOVEMBER 5th.—The wind veered round from ENE to WNW by direct circular motion of 225 in a few minutes.
„ 5th „ NW b W to S b E by retrograde motion of 131 in 2 hours.
„ 6th „ SE to NW „ 180 in 5 hours.
„ 22nd „ ENE to WNW by direct circular motion of 225 in ½ hour.
„ 23rd „ E to NW by retrograde motion of 135 in a few minutes.

DECEMBER.—The wind did not take any unusual sweeps during this month; it blew regularly in land and sea breezes.

TABLE XCII.—*Showing the Excess of the Direct Circular Motion over the Retrograde Circular Motion of Wind in the year* 1863.

Months, 1863.	Excess.		Months, 1863.	Excess.	
	Turns.	Degrees.		Turns.	Degrees.
January	+ 1	349	July	+ 1	0
February	0	0	August.....	+ 0	315
March	+ 4	349	September	+ 6	67
April	+ 1	326	October	+ 7	22
May	+ 1	338	November	+ 1	11
June.....	+ 0	315	December.....	0	0

From this table it appears that the whole excess of the Direct over the Retrograde Motion of Wind, during this year, was 27 rounds and 292 degrees, which was about 14 rounds less than in the last year.

The following Record of the Pressure of Wind will show the days on which Wind blew with a force exceeding one Pound.

JANUARY 21st and 22nd.—Strong breezes of wind from S and SW, the maximum force of which was about 2¼ lbs.

„ 7th, 17th, 23rd, 24th, 30th and 31st.—Fresh breezes of wind from NW; maximum force about 1½ lbs.

FEBRUARY 4th, 9th, 10th, 11th, 18th and 19th.—Fresh breezes from NW, of which the force was about 1½ lbs.

MARCH 3rd, 5th, 10th, 14th, 16th, 19th, 20th and 30th.—Fresh breezes from NW, of which the force did not exceed 2 lbs.

APRIL 7th, 9th, 10th and 16th.—Fresh breezes of wind blew from NW, the force of which was about 1½ lbs.

„ 23rd, 24th and 25th.—Southerly breezes; force from 1 to 2 lbs.

MAY 14th and 16th.—Light breezes from NW.

„ 23rd.—Southerly breezes, the force of which was about 1¼ lbs.

JUNE 8th and 9th.—High wind from S and SW, the force of which was generally 2 to 3 lbs.; but once or twice it was about 7 lbs.

„ 10th, 11th and 16th.—Steady fresh breezes from S; maximum force about 2 lbs.

„ 19th to 28th.—Steady fresh breezes from SSW, the force of which was from 2 to 3 lbs.; but sometimes it rose to 5 lbs. and once to 6 lbs.

„ 12th, 13th, 14th and 15th.—Occasional squalls from SW, the force of which was 2 to 3 lbs.; but once or twice it was as high as 7 lbs. on the 15th.

„ 5th, 6th and 18th.—Light breezes of wind from SW, of which the force did not exceed 1 lb.

JULY 1st, 21st, 22nd, 23rd, 27th and 28th.—Light breezes of wind from W; force about 1 lb.

„ 4th, 5th, 6th, 7th, 8th, 13th, 25th, 29th, 30th and 31st.—Occasional puffs of wind from WSW, the force of which was from 1 to 2 lbs.

JULY 16th, 17th, 18th, 19th, 20th and 24th.—Fresh breezes from W and WSW; maximum force about 2 lbs.

AUGUST 4th, 11th, 12th, 19th and 22nd.—Occasional fresh breezes from W; maximum force about 2lbs.

" 13th, 14th and 15th.—High wind from WSW; general pressure 2 to 3 lbs., but at times it was 6 to 7 lbs.

SEPTEMBER 15th.—Light breezes of wind from W of about 1 lb. pressure.

OCTOBER 14th.—A heavy squall from SE and ESE at about 6½ P. M., lasted about 1 hour; maximum force of wind was 7½ lbs.

" 26th and 27th.—Squalls from W and SW, the force of which was about 4 lbs.

" 13th, 15th, 16th, 19th, 20th, 28th, 29th and 30th.—Light breezes occasionally.

" 21st, 22nd, 23rd, 24th and 25th.—Fresh breezes of wind from S, SW or W, the force of which was between 2 and 3 lbs.

NOVEMBER 2nd, 3rd, 4th, 5th, 7th, 10th, 18th, 19th, 20th, 21st, 23rd, 24th, 25th and 26th.—Breezes of wind from NW; force from 1 to 2 lbs.

DECEMBER 21st and 31st.—Light breezes of wind from NW, the force of which was about 1 lb.

In the following Table the principal eight directions are made out from 32 Cardinal points, thus :—

N = N + N b E + N b W + ½ NNW + ½ NNE.
NE = NE + NE b N + NE b E + ½ NNE + ½ ENE.
E = E + E b N + E b S + ½ ENE + ½ ESE.
SE = SE + SE b E + SE b S + ½ ESE + ½ SSE.
S = S + S b E + S b W + ½ SSE + ½ SSW.
SW = SW + SW b S + SW b W + ½ SSW + ½ WSW.
W = W + W b S + W b N + ½ WSW + ½ WNW.
NW = NW + NW b N + NW b W + ½ WNW + ½ NNW.

TABLE XCIII.—*Showing the Sums of the Pressures of the Wind for different Directions, in each Month, without Distinction of Hours, and the number of Hours during which it blew with a recorded force greater than 0·1 lb. on a square foot; and the General Range of Hours during which the Wind blew in each Direction; thirty-two Directions were reduced to Eight Points by the rule heretofore adopted.*

Months, 1863.	N.			NE.			E.			SE.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	57·20	139·5	At all hours	25·45	100·5	From 1 A.M. to 1 P.M.....	12·00	38·5	From midnight to noon ..	1·65	2·5	Only two instances.
February.	49·45	177·0	At all hours	15·15	61·0	From 2 A.M. to 2 P.M.....	3·80	12·5	From 9 A.M. to noon	..	..	.....
March ..	32·75	124·5	At all hours	2·50	17·5	A few instances.....	2·60	17·0	A few instances.....	2·80	12·0	From 7 A.M. to 11 A.M.
April	21·40	82·0	At all hours	1·70	10·5	A few instances.....	2·55	10·0	Solitary instances	6·45	17·5	Generally from 4 A.M. to 9 A.M.
May	11·80	50·0	From midnight to noon ..	2·00	15·5	A few instances.....	0·10	1·0	None of true East.....	0·10	1·0	None of true SE.
June	0·25	1·0	A solitary instance.....	..	..	.....	0·30	0·5	None of true East.....	99·05	65·0	At all hours except from 10 A.M. to 4 P.M.
July	0·05	0·5	None of true North	0·30	1·5	A solitary instance	1·20	3·0	Only two instances	0·20	0·5	None of true SE.
August ..	1·75	12·0	A few instances.....	0·20	1·0	A solitary instance	0·15	0·5	None of true East.....	0·70	4·5	Solitary instances.
September.	5·35	31·5	At all hours except from noon to 4 P.M.	3·25	20·5	Generally from 6 A.M. to noon.	2·75	11·0	A few solitary instances ..	6·65	27·0	Generally from midnight to noon.
October ..	30·90	101·5	At all hours	17·60	79·5	Generally from 1 A.M. to noon.	21·05	46·0	Generally from midnight to noon.	13·00	33·5	A few instances at uncertain hours.
November.	27·70	125·0	At all hours	28·15	133·5	Generally from 1 A.M. to noon.	12·35	54·0	From midnight to noon ..	0·40	2·5	A solitary instance.
December.	59·70	208·0	At all hours	35·75	154·5	From midnight to 2 P.M..	6 10	16·0	A few instances.....	..	..	.....
Sums	298·30	1072·5		132·05	595·5		64·95	210·0		131·00	166·0	

TABLE XCIII.—(*continued*).

Months, 1863.	S.			SW.			W.			NW.		
	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.	Sums of Pressures.	Number of Hours.	General Range of Hours.
	lbs.	H.		lbs.	H.		lbs.	H.		lbs.	H.	
January..	11·15	8·0	A few instances.....	8·35	9·5	Solitary instances.....	11·15	17·5	From 1 P.M. to 5 P.M	116·75	246·0	At all hours.
February.	..	..	.....	..	..	.....	5·50	15.0	Only four instances of true West.	81·25	210·5	Generally from noon to 11 P.M.
March ..	4·80	14·5	A few instances.....	5·75	18·0	Irregular	14·60	44·5	Generally from noon to 4 A.M.	139·00	281·0	At all hours.
April	15·40	37·5	From 2 to 11 A.M. and 7 to 11 P.M.	15·90	48·0	Generally from noon to 8 P.M.	32·05	114·5	At all hours except 9 A.M. & 9 P.M.	95·05	225·0	At all hours.
May	5·10	9·5	Solitary instances.....	55·20	198·5	At all hours	48·70	189·5	At all hours	66·60	174·0	At all hours.
June	187·75	186·5	At all hours except 5 A.M.	219·15	244·5	At all hours	38·90	79·0	At all hours	4·75	20·5	A few instances at irregular hours.
July	16·85	36·0	Irregular	166·55	345 0	At all hours	123·55	234·5	At all hours	12·55	19·0	A few instances.
August ..	5·95	10·0	A single instance of true South.	143·35	243·0	At all hours	133·65	263·5	At all hours	14·85	54·5	At all hours except 9 and 10 A.M
September.	8·10	44·0	Generally from mdnight to noon.	12·85	61·5	At all hours except 5, 9, & 10 A.M. & 3, 5 P.M.	35·95	172·5	At all hours	54·50	202·0	At all hours.
October ..	33·50	48·5	At all hours except 5, 6, 7, 8 A.M. & 4 P.M.	14·60	27·0	A few instances	13·05	38·5	From midnight to 5 A.M. & from 10 A.M. to 4 P.M.	85·30	242·5	At all hours.
November.	1·10	6·5	Solitary instances.	0·15	1·0	None of true SW.....	3·50	15·5	A few instances.....	63·35	182·0	Generally from noon to 11 P.M.
December.	..	..	.....	..	..	.....	1·70	3·5	Only two instances	72·25	187·0	Generally from noon to midnight.
Sums	289·70	401·0		641·85	1196·0		462 30	1188·0		806·20	2044·0	

TABLE XCIV.—*Showing the Sums of the Pressures and the Number of Hours of Duration of each Wind, during the Year* 1863, *for each hour of Bombay Civil Time.*

Bombay Civil Time.	N.		NE.		E.		SE.		S.		SW.		W.		NW.	
	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.	Sums of Pressures.	Number of Hours.
	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.	lbs.	H.
Midnight.	12.15	49.5	1.65	8.0	2.75	6.5	9.35	9.5	9.95	17.5	28.10	49.0	15.20	43.0	21.85	72.0
1 A. M.	10.75	51.0	4.20	15.5	4.25	9.0	6.80	7.5	10.35	16.0	35.60	51.0	20.70	40.0	15.95	58.0
2 „	11.30	47.5	5.45	20.5	4.55	10.5	5.40	6.5	12.75	18.5	35.20	51.0	22.70	44.0	13.25	54.5
3 „	12.40	51.5	7.30	25.0	4.90	10.0	5.05	6.0	11.20	16.0	32.50	52.0	18.30	41.0	11.35	51.5
4 „	12.25	53.5	9.20	29.5	4.35	9.5	5.55	8.5	7.80	15.5	25.45	47.5	17.05	42.0	10.45	42.0
5 „	9.55	56.5	8.15	31.5	4.50	14.0	7.35	10.0	6.25	11.0	23.65	46.0	19.20	44.0	10.80	41.0
6 „	9.65	66.5	9.35	45.5	3.30	12.5	8.95	14.0	8.50	15.5	22.50	43.0	17.35	43.0	10.00	43.0
7 „	12.25	71.5	9.95	52.5	5.40	17.5	8.45	16.0	7.65	16.0	20.40	43.0	13.45	41.0	7.95	39.5
8 „	11.60	66.5	13.20	68.0	8.25	25.0	7.15	16.5	9.70	19.5	21.35	39.0	16.40	37.0	7.35	32.5
9 „	11.65	53.5	18.10	82.5	7.15	26.0	8.40	20.0	9.35	19.5	18.75	40.0	13.15	39.0	5.75	25.5
10 „	10.05	44.5	16.55	78.5	6.85	29.0	2.45	11.5	16.90	26.0	17.05	38.5	16.10	47.0	7.65	31.0
11 „	9.60	41.0	12.60	67.5	4.50	22.0	2.10	7.0	11.45	27.0	21.25	46.0	14.80	47.5	14.30	47.0
Noon.	11.60	37.5	7.05	38.0	2.65	14.0	2.05	4.5	19.45	15.0	27.00	56.5	18.45	61.0	28.15	79.5
1 P. M.	7.71	19.0	3.00	9.5	0.20	0.5	4.15	2.0	14.75	14.0	40.50	55.5	26.75	75.5	56.75	130.0
2 „	6.05	11.5	0.85	3.0			3.35	1.5	14.40	12.0	31.30	51.5	40.95	85.0	72.80	141.5
3 „	7.30	13.0	0.30	1.0			3.40	1.0	16.55	14.5	27.55	49.0	34.80	76.5	84.80	150.0
4 „	8.30	12.5	0.25	1.0			4.30	1.5	12.20	10.0	35.80	59.5	28.90	69.5	88.05	152.0
5 „	11.65	18.5					4.90	1.5	11.80	14.0	24.80	56.0	20.35	57.5	74.10	158.5
6 „	16.75	28.5					1.75	1.5	9.10	12.5	26.95	51.5	18.90	59.5	71.40	152.5
7 „	26.35	40.0	0.30	2.0			5.00	1.5	11.60	13.5	25.00	54.5	18.00	47.0	63.35	140.5
8 „	19.85	49.0			0.15	0.5	6.40	2.5	13.60	14.5	26.55	50.5	16.55	44.0	47.60	126.0
9 „	19.95	65.5	0.90	3.5	0.10	1.0	5.40	3.5	14.10	17.5	24.30	54.0	13.05	35.5	32.26	104.5
10 „	17.10	64.0	1.30	4.5	0.50	1.5	5.75	5.0	15.15	24.0	24.25	56.0	10.60	35.5	26.75	89.5
11 „	12.50	60.5	2.40	8.5	0.60	1.0	7.55	7.0	15.15	21.5	26.05	55.5	10.60	33.0	23.55	82.0

TABLE XCV.—*Showing the Mean Pressure of each Wind, at each hour of Bombay Civil Time, as obtained by dividing the Pressure of Wind in Table XCIV. by the number of Hours of Duration.*

Bombay Civil Time.	Direction of Wind in 1863.							
	N.	NE.	E.	SE.	S.	SW.	W.	NW.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0.25	0.21	0.42	0.98	0.57	0.57	0.35	0.30
1 A. M.	.21	.27	.47	.91	.65	.70	.52	.29
2 „	.23	.27	.43	.83	.69	.69	.52	.24
3 „	.24	.29	.49	.84	.70	.62	.45	.22
4 „	.23	.31	.46	.65	.50	.54	.41	.25
5 „	.17	.26	.32	.73	.57	.51	.44	.26
6 „	.15	.21	.26	.74	.55	.52	.40	.23
7 „	.17	.19	.31	.53	.48	.47	.33	.20
8 „	.18	.19	.33	.43	.50	.55	.44	.23
9 „	.22	.22	.27	.42	.48	.47	.34	.23
10 „	.23	.21	.24	.21	.65	.44	.34	.25
11 „	.23	.19	.20	.30	.42	.46	.31	.30
Noon.	.31	.19	.19	.46	1.30	.48	.30	.35
1 P. M.	.41	.32	.40	2.07	1.05	.73	.35	.44
2 „	.53	.28		2.23	1.20	.61	.31	.51
3 „	.56	.30		3.40	1.14	.56	.45	.57
4 „	.66	.25		2.87	1.22	.60	.42	.58
5 „	.63			3.27	0.84	.44	.35	.47
6 „	.59			1.17	.73	.52	.32	.47
7 „	.66	.15		3.33	.86	.46	.38	.45
8 „	.41		.30	2.56	.94	.53	.38	.38
9 „	.30	.26	.10	1.54	.81	.45	.37	.31
10 „	.27	.29	.33	1.15	.63	.43	.30	.30
11 „	.21	.28	.60	1.08	.70	.47	.32	.29

TABLE XCVI.—*Showing the Mean Force of each Wind resolved into the Cardinal Directions, by the usual Rules of Mechanics.*

Direction of Wind.	Mean Force of each Wind.	Resolved Force in the Direction of				Mean Force due to each Cardinal Direction.
		N.	E.	S.	W.	
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
N.	0·27816	0·27816				0·71384
NE.	·22174	·15679	0·15679			
E.	·30929		·30929			1·01159
SE.	·77191		·54551	0·54551		
S.	·72244			·72244		1·64739
SW.	·53662			·37944	0·37944	
W.	·38914				·38914	1·04747
NW.	·39442	·27889			·27889	

The greatest Mean Force of Wind was recorded of South-Easterly Wind; and the least was of North-Easterly Wind.

The angle between the resultant and the meridian was found, according to the method heretofore adopted, to be 60° 1′, which was about 1° 46′ less than the mean of the last eleven years.

TABLE XCVII.—*Mean Azimuth of Wind reduced from the Registry of Osler's Anemometer, for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	°	°	°	°	°	°	°	°	°	°	°	°
1	13	-25	⊙	- 37	⊙	- 87	-132	-127	⊙	- 12	5	29
2	27	-13	-123	- 42	- 63	- 77	-135	-125	-124	- 20	- 1	20
3	18	- 6	- 37	- 57	- 45	- 70	-126	-122	-129	⊙	- 5	26
4	13	- 9	- 35	- 35	- 30	- 87	-138	-123	⊙	⊙	22	21
5	-12	-20	- 38	- 54	- 29	-184	-125	-109	⊙	- 25	6	- 4
6	-23	-12	- 43	- 27	- 32	-166	-146	-107	- 18	15	⊙	5
7	-49	-20	⊙	- 22	- 58	-172	-127	-106	- 93	- 15	- 8	13
8	-27	-10	⊙	- 24	-109	-204	-104	-105	⊙	- 29	- 4	-29
9	3	-23	-147	- 13	-115	-207	⊙	- 97	- 82	- 15	- 2	-19
10	1	-18	-134	⊙	- 50	-202	-121	- 99	- 44	- 9	-12	10
11	-16	-11	- 44	- 64	- 32	-193	-143	- 84	⊙	12	30	-15
12	-12	- 5	- 32	⊙	- 45	-188	-133	- 86	- 95	- 52	28	4
13	-26	-37	- 40	-129	- 44	-165	-118	-101	-102	- 25	7	- 8
14	-27	-28	- 9	-170	- 36	-165	- 94	-124	-107	- 5	10	17
15	-32	-37	- 11	-130	- 47	-121	-117	-132	-109	64	5	11
16	-27	-38	- 25	- 29	⊙	-154	-142	-115	-130	- 33	5	- 6
17	-13	-53	- 38	- 23	- 45	-169	-153	-111	-105	- 8	4	-26
18	- 2	-13	- 46	- 63	- 48	-149	-135	-115	⊙	1	- 9	-24
19	⊙	-18	- 9	-130	- 67	-146	-133	-122	-118	8	13	-23
20	-22	-13	- 11	-129	-104	-134	-117	-115	⊙	24	13	5
21	⊙	14	-130	- 80	-111	-135	-105	-115	- 83	143	12	- 5
22	-43	12	⊙	- 49	-146	-142	- 95	-116	⊙	- 8	12	- 1
23	-10	- 7	- 18	-126	-143	-156	- 83	-129	- 72	-196	24	6
24	- 9	-15	- 10	-138	-129	-154	- 89	-129	- 48	-177	32	2
25	3	-22	- 29	⊙	-133	-142	- 85	⊙	- 23	-193	⊙	-11
26	23	-11	2	-137	-131	-133	- 84	- 81	- 41	-177	- 19	11
27	5	-32	- 5	- 63	-119	-138	- 95	- 47	- 40	- 61	- 19	2
28	- 3	-24	- 30	- 67	-108	-143	-110	- 45	- 33	39	- 11	-26
29	10		- 19	- 65	-108	-139	-116	- 73	- 19	- 4	- 17	4
30	12		- 25	- 86	-108	-141	-118	- 48	- 26	- 10	5	- 5
31	- 5		- 34		-102		-123	2		8		- 1

TABLE XCVIII.—*Showing, for each Month, the Mean Azimuth of Wind and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Azimuth of Wind.	Difference from the Mean of the year.	FOR SEASONS.
	°	°	°
January	- 8	49	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter.. -15
February	- 18	39	
March	- 41	16	
April	- 74	- 17	Mean of { April, May, June, / July, Aug., Sept. } or Summer.. -99
May	- 81	- 24	
June.....	-149	- 92	Mean of the Year ....-57
July.....	-118	- 61	
August.....	-101	- 44	Greatest Monthly Mean in June..... -149
September	- 75	- 18	Least Monthly Mean in Nov. .....-4
October	- 26	31	
November	4	61	Difference.... -153
December.....	- 1	56	

TABLE XCIX.—*Mean Azimuth of Wind from the Osler's Wind Register in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	- 17	- 23	- 42	- 82	- 81	-154	-122	-109	- 86	- 48		- 1
1 A.M.	- 9	- 23	- 45	- 76	- 82	-152	-118	-105	- 83	- 36	14	2
2 „	0	- 20	- 46	- 73	- 77	-154	-116	-106	- 80	- 33	18	10
3 „	6	- 19	- 41	- 74	- 77	-153	-115	-102	- 80	- 28	19	14
4 „	18	- 16	- 38	- 71	- 76	-152	-116	-100	- 80	- 25	24	16
5 „	22	- 15	- 39	- 71	- 72	-152	-110	- 98	- 82	- 9	32	20
6 „	24	- 8	- 38	- 73	- 65	-155	-115	- 97	- 79	- 2	33	19
7 „	27	- 4	- 35	- 74	- 56	-155	-118	- 97	- 81	5	37	24
8 „	29	13	- 31	- 81	- 56	-154	-118	-103	- 82	11	49	31
9 „	31	25	- 26	- 85	- 67	-156	-122	-100	- 72	18	55	36
10 „	36	33	- 22	- 79	- 82	-148	-118	- 94	- 68	25	59	42
11 „	34	24	- 45	- 78	- 82	-149	-121	- 97	- 76	23	52	41
Noon.	6	- 1	- 49	- 76	- 85	-144	-119	- 96	- 81	15	36	21
1 P.M.	- 37	- 29	- 56	- 75	- 89	-147	-124	-101	- 68	- 59	- 33	- 25
2 „	- 49	- 38	- 57	- 71	- 91	-142	-117	-100	- 65	- 59	- 48	- 41
3 „	- 44	- 42	- 52	- 69	- 91	-143	-120	- 97	- 71	- 57	- 46	- 36
4 „	- 49	- 43	- 53	- 70	- 92	-142	-115	-102	- 76	- 53	- 45	- 34
5 „	- 46	- 40	- 46	- 66	- 93	-144	-116	-101	- 76	- 52	- 39	- 35
6 „	- 40	- 38	- 46	- 62	- 88	-143	-115	-102	- 73	- 50	- 35	- 31
7 „	- 35	- 34	- 44	- 57	- 89	-144	-115	-103	- 68	- 48	- 30	- 26
8 „	- 32	- 33	- 40	- 66	- 89	-146	-117	-105	- 66	- 47	- 24	- 25
9 „	- 26	- 31	- 30	- 73	- 85	-143	-120	-103	- 64	- 40	- 16	- 16
10 „	- 21	- 30	- 32	- 82	- 84	-146	-124	-105	- 71	- 36	- 11	- 9
11 „	- 17	- 30	- 34	- 84	- 85	-151	-127	-108	- 65	- 37	- 6	- 9

TABLE C.—*Excess of the Mean Hourly Azimuth of Wind above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	°	°	°	°	°	°	°	°	°	°	°	°
Midnight.	- 9	-10	- 1	- 8	0	- 5	- 4	- 8	-11	-22	- 4	0
1 A.M.	+ 1	- 5	- 4	- 2	- 1	- 3	0	- 4	- 8	-10	10	3
2 ,,	8	- 2	- 5	1	4	- 5	2	- 5	+ 5	- 7	14	11
3 ,,	14	- 1	0	0	4	- 4	3	- 1	- 5	- 2	15	15
4 ,,	26	2	3	3	5	- 3	2	1	+ 5	1	20	17
5 ,,	30	3	2	3	9	- 3	8	3	- 7	17	28	21
6 ,,	32	10	3	1	16	- 6	3	4	- 4	24	29	20
7 ,,	35	14	6	0	25	- 6	0	4	- 6	31	33	25
8 ,,	37	31	10	- 7	25	- 5	0	- 2	- 7	37	45	32
9 ,,	39	43	15	-11	14	- 7	- 4	1	3	44	51	37
10 ,,	44	51	19	- 5	- 1	1	0	7	7	51	55	43
11 ,,	42	42	- 4	- 4	- 1	0	- 3	4	- 1	49	48	42
Noon.	14	17	- 8	- 2	- 4	5	- 1	5	- 6	41	32	22
1 P.M.	-29	-11	-15	- 1	- 8	2	- 6	0	7	-33	-37	-24
2 ,,	-41	-20	-16	3	-10	7	- 1	1	10	-33	-52	-40
3 ,,	-36	-24	-11	5	-10	6	- 2	4	4	-31	-50	-35
4 ,,	-41	-25	-12	4	-11	7	3	- 1	- 1	-27	-49	-33
5 ,,	-38	-22	- 5	8	-12	5	2	0	- 1	-26	-43	-34
6 ,,	-32	-20	- 5	12	- 7	6	3	- 1	2	-24	-39	-30
7 ,,	-27	-16	- 3	17	- 8	5	3	- 2	7	-22	-34	-25
8 ,,	-24	-15	1	8	- 8	3	1	- 4	9	-21	-28	-24
9 ,,	-18	-13	11	1	- 4	6	- 2	- 2	11	-14	-20	-15
10 ,,	-13	-12	9	- 8	- 3	3	- 6	- 4	4	-10	-15	- 8
11 ,,	- 9	-12	7	-10	- 4	- 2	- 9	- 7	10	-11	-10	- 8

TABLE CI.—*Showing, for the Year* 1863, *the Mean Azimuth of Wind, for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Azimuth of Wind.		Annual Mean.
	Winter.	Summer.	
	°	°	°
Midnight.	-23	-106	-64
1 A.M.	-16	-103	-59
2 ,,	-12	-101	-56
3 ,,	- 8	-100	-54
4 ,,	- 4	- 99	-51
5 ,,	2	- 98	-48
6 ,,	5	- 97	-46
7 ,,	9	- 97	-44
8 ,,	7	- 99	-41
9 ,,	24	-100	-38
10 ,,	27	- 98	-36
11 ,,	21	-101	-40
Noon.	5	-100	-47
1 P.M.	-40	-101	-70
2 ,,	-49	- 98	-73
3 ,,	-46	- 99	-72
4 ,,	-46	-100	-73
5 ,,	-43	- 99	-71
6 ,,	-40	- 97	-69
7 ,,	-36	- 96	-66
8 ,,	-34	- 98	-66
9 ,,	-26	- 98	-62
10 ,,	-23	-102	-63
11 ,,	-22	-103	-63

FOR DAY AND NIGHT.

Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night ..... -60

Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon, 1, 2, 3, 4, 5, P.M. } or Day 54

Mean Annual 57

TIMES OF MEAN MAXIMUM AND MINIMUM.

Most Westerly at about 3 P. M.
Least Westerly at 10 A. M.

TABLE CII.—*Showing, for the Year* 1863, *the Hours of Bombay Civil Time at which the Mean Azimuth of Wind in each Month was most Westerly and least Westerly.*

Months, 1863.	The Mean Hourly Azimuth of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Azimuth of Wind was	
	Most Westerly.	Least Westerly.		Most Westerly	Least Westerly.
	°	°	°	H.	H.
January	– 49	36	– 85	2 & 4 P.M.	10 A.M.
February	– 43	33	– 76	4 P.M.	10 „
March	– 57	+ 22	– 35	2 „	10 „
April	– 85	+ 57	– 28	9 A.M.	7 P.M.
May	– 93	+ 56	– 37	5 P.M.	7 & 8 A.M.
June	–155	+142	+ 13	6 & 7 A.M.	2 & 4 P.M.
July	–127	–110	– 17	11 P.M.	5 A.M.
August	–109	– 94	– 15	Midnight.	10 „
September	– 86	+ 64	– 22	Midnight.	9 P.M.
October	– 59	25	+ 84	1 & 2 P.M.	10 A.M.
November	– 48	59	–107	2 P.M.	10 „
December	– 40	42	– 82	2 „	10 „

TABLE CIII.—*Mean Force of Wind, without regard to the direction in which it blew, for each Day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
1			0.23	0.25	0.21		0.30	0.48	0.13	0.18		0·33
2	0.25	0.25		.28	.17	0.25	.26		.19	.20	0.28	.35
3	.33	.15	.68			.24	.20	.47	.18	.19	.23	.27
4		.22	.50	.26	.28	.19	.18	.41	.13		.12	·45
5	.36	.30	.40		.38	.65		.38	.23	.23	.12	.29
6	.36	.37		.28	.37	.60	.36	.37		.28	.26	
7	.49	.20	.13	.58	.22		.52	.33	.23	.26	.45	.31
8	.31			.50	.26	2.21	.35	.40	.15	.28		.27
9	.40	.45	.40	.41	.26	3.05	.22		.18	.29	.15	.21
10	.33	.50	.27	.30		1.37	.21	.36	.30	.16	.26	·35
11		.34	.37	.26	.26	1.19	.14	.63	.24			.22
12	.24	.25	.24		.31	0.73		.58	.16	.22	.27	.20
13	.32	.22	.36	.15	.28	.65	.23	1.20		.32	.26	
14	.27	.26	.42	.27	.50		.28	1.16	.27	.69	.22	·26
15	.32			.32	.37	.92	.43	0·53	.27	.28		.27
16	.26		.47	.53	.51	.67	.92		.20	.19	.20	.22
17	.37	.25	.25	.40		.22	.81	.34	.18	.16	.19	.22
18		.32	.20	.25	.37	.35	1.05	.45	.15		.15	.23
19	.25	.52	.33		.18	.28		.49	.27	.31	.22	.17
20	.26	.30	.31	.22	.18	2.14	1.21	.30		.65	.22	
21	.78	.42	.14	.23	.23		0.48	.27	.12	.94	.23	.35
22	1.14			.27	.42	1.05	.44	.39	.13	.20		.34
23	0·58	.27	.24	.37	.46	1.33	.60		.13	.37	.24	.30
24	.40	.21	.28	.41		0.91	.71	.45	.27	.22	.36	.32
25		.18	.34	.50	.35	1.27	.52	.23	.33		.48	.21
26	.32	.15	.30		.28	1.05		.21	.42	.92	.24	
27	.43	.14	.32	.31	.25	0.46	.55			1.15	.18	
28	.35	.20	.26	.25	.19		.53	.15	.18	0.26	.17	.31
29	.31			.23	.20	.31	.80	.20	.17	.31	.21	.26
30	.44		.63	.18	.18	.25	.50	.17	.18	.18		.21
31	.26		.42		.23		.63			.20		.39

TABLE CIV.—*Showing, for each Month, the Mean Force of Wind and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Force of Wind.	Difference from the Mean of the year.	FOR SEASONS.	
	lbs.	lbs.		lbs.
January	0·39	0·01	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter	0·31
February	·28	− ·10		
March	·34	− ·04		
April	·32	− ·06	Mean of { Apr., May, June, / July, Aug., Sept. } or Summer	0·45
May	·29	− ·09		
June	·92	·54		
July	·50	·12	Mean of the Year....	0·38
August	·44	·06		
September	·21	− ·17	Greatest Monthly Mean in June	0·92
October	·36	− ·02	Least Monthly Mean in September	0·21
November	·24	− ·14		
December.....	·28	− ·10	Difference.....	0·71

TABLE CV.—*Mean Force of Wind, without regard to the direction in which it blew, in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	0.30	0.06	0.20	0.35	0.31	1.02	0.41	0.45	0.18	0.36	0.11	0.14
1 A.M.	.28	·14	.20	.24	.32	0.98	.56	.56	.18	.40	.16	.13
2 ,,	.30	·13	.17	.22	·34	.80	.62	.59	.19	.37	.20	.12
3 ,,	.32	.17	.15	.13	.31	.92	.63	.50	.18	.30	.20	.15
4 ,,	.35	.20	.14	.14	.28	.70	.54	.49	.16	.28	.20	.13
5 ,,	.21	.13	.18	.14	.19	.71	.54	.46	.17	.32	.15	·19
6 ,,	.19	.17	.18	.12	.16	.81	.59	.49	.19	.27	.15	.20
7 ,,	.25	.17	·19	.18	.14	.79	.44	.49	.16	.26	.16	.19
8 ,,	.26	.16	.32	.20	.13	.79	.52	.48	.20	.30	.20	.22
9 ,,	.30	.24	.14	.23	.23	.65	.41	.43	.20	.29	.26	.23
10 ,,	.32	.23	.20	.23	.25	.86	.35	.40	.20	.26	.21	.21
11 ,,	.31	.22	.26	.34	.27	.87	.38	.40	.18	.30	.15	.21
Noon.	.39	.27	.36	.39	.31	1.19	.37	.40	·22	.30	.21	.24
1 P.M.	.61	.37	.67	.37	.36	1.32	.55	.41	·25	.33	.28	.39
2 ,,	.64	.47	.71	.46	.40	1.26	.52	.38	.32	.39	.37	.48
3 ,,	.70	.56	.76	.50	.43	1.21	.59	.40	·28	.47	.40	.52
4 ,,	.73	.59	.78	.45	.41	1.02	.74	.38	·28	.50	.37	.55
5 ,,	.55	.47	.63	.46	.30	0.82	.47	.38	.26	.45	.38	.48
6 ,,	.53	.48	.57	.44	.29	1.08	.40	.41	.22	.46	.39	.48
7 ,,	.52	.49	.53	.44	.31	0.92	.47	.42	.22	.64	.36	·44
8 ,,	.30	.35	.39	.41	.30	.89	.66	.43	.17	.32	.31	.41
9 ,,	.34	.32	.22	.36	.32	.82	.45	.34	.18	.32	.20	·27
10 ,,	.30	.23	.16	.43	.33	.77	.43	.38	.20	.35	.12	.22
11 ,,	.26	.11	.17	.43	.32	.81	.42	.41	.22	.29	.10	.17

TABLE CVI.—*Excess of the Mean Hourly Force of Wind above the Monthly Mean Value.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.	lbs.
Midnight.	-0·09	-0·22	-0·14	0·03	0·02	0·10	-0·09	0·01	-0·03	0·00	-0·13	-0·14
1 A.M.	- ·11	- ·14	- ·14	- ·08	·03	·06	·06	·12	- ·03	·04	- ·08	- ·15
2 „	- ·09	- ·15	- ·17	- ·10	·05	- ·12	·12	·15	- ·02	·01	- ·04	- ·16
3 „	- ·07	- ·11	- ·19	- ·19	·02	·00	·13	·06	- ·03	- ·06	- ·04	- ·13
4 „	- ·04	- ·08	- ·20	- ·18	- ·01	- ·22	·04	·05	- ·05	- ·08	- ·04	- ·15
5 „	- ·18	- ·15	- ·16	- ·18	- ·10	- ·21	·04	·02	- ·04	- ·04	- ·09	- ·09
6 „	- ·20	- ·11	- ·16	- ·20	- ·13	- ·11	·09	·05	- ·02	- ·09	- ·09	- ·08
7 „	- ·14	- ·11	- ·15	- ·14	- ·15	- ·13	- ·06	·05	- ·05	- ·10	- ·08	- ·09
8 „	- ·13	- ·12	- ·12	- ·12	- ·16	- ·13	·02	·04	- ·01	- ·06	- ·04	- ·06
9 „	- ·09	- ·04	- ·20	- ·09	- ·06	- ·27	- ·09	- ·01	- ·01	- ·07	- ·02	- ·05
10 „	- ·07	- ·05	- ·14	- ·09	- ·04	- ·06	- ·15	- ·04	- ·01	- ·10	- ·03	- ·07
11 „	- ·08	- ·06	- ·08	·02	- ·02	- ·05	- ·12	- ·04	- ·03	- ·05	- ·09	- ·07
Noon.	·00	- ·01	·02	·07	·02	·27	- ·13	- ·04	·01	- ·05	- ·03	- ·04
1 P.M.	·22	·09	·33	·05	·07	·40	·05	- ·03	·04	- ·03	·04	·11
2 „	·25	·19	·37	·14	·11	·34	·02	- ·06	·11	·03	·13	·20
3 „	·31	·28	·42	·18	·14	·29	·09	- ·04	·07	·11	·16	·24
4 „	·34	·31	·44	·13	·12	·10	·24	- ·06	·07	·14	·13	·27
5 „	·16	·19	·29	·14	·01	·10	- ·03	- ·06	·05	·09	·14	·20
6 „	·14	·20	·23	·12	·00	·16	- ·10	- ·03	·01	·10	·15	·20
7 „	·13	·21	·19	·12	·02	·00	- ·03	- ·02	·01	·28	·12	·16
8 „	- ·01	·07	·05	·09	·01	- ·03	- ·16	- ·01	- ·04	- ·04	·07	·13
9 „	- ·05	·04	- ·12	·04	·03	- ·10	- ·05	- ·10	- ·03	- ·04	- ·04	- ·01
10 „	- ·09	- ·05	- ·18	·11	·04	- ·15	- ·07	- ·06	- ·01	- ·01	- ·12	- ·06
11 „	- ·13	- ·17	- ·17	·11	·03	- ·11	- ·08	- ·03	·01	- ·07	- ·14	- ·11

TABLE CVII.—*Showing, for the Year 1863, the Mean Force of Wind for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean Force of Wind.	Difference from the Mean of the Year.
	lbs.	lbs.
Midnight.	0·32	-0·06
1 A.M.	·35	- ·03
2 „	·34	- ·04
3 „	·33	- ·05
4 „	·30	- ·08
5 „	·28	- ·10
6 „	·29	- ·09
7 „	·28	- ·10
8 „	·32	- ·06
9 „	·30	- ·08
10 „	·31	- ·07
11 „	·32	- ·06
Noon.	·39	·01
1 P.M.	·49	·11
2 „	·53	·15
3 „	·57	·19
4 „	·57	·19
5 „	·47	·09
6 „	·48	·10
7 „	·48	·10
8 „	·41	·03
9 „	·35	- ·03
10 „	·33	- ·05
11 „	·31	- ·07

FOR DAY AND NIGHT.

	lbs.
Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night	0·36
Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day	0·40
Mean Annual	0·38

TIMES OF MEAN MAXIMUM AND MINIMUM.

A Minimum at 5 & 7 A.M.
A Maximum at 3 & 4 P.M.

TABLE CVIII.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Force of Wind, without regard to the direction it blew in each Month, was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Force of Wind.		Mean Diurnal Range.	The Time at which the Mean Hourly Force of Wind was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
	lb.	lb.	lb.	H.	H.
January	0·73	0·19	0·54	4 P.M.	6 A.M.
February	·59	·06	·53	4 ,,	Midnight.
March	·78	·14	·64	4 ,,	4 A.M.
April	·50	·12	·38	3 ,,	6 ,,
May	·43	·13	·30	3 ,,	8 ,,
June	1·32	·65	·67	1 ,,	9 ,,
July	0·74	·35	·39	4 ,,	10 ,,
August	·59	·34	·25	2 A.M.	9 P.M.
September	·32	·16	·16	2 P.M.	4 & 7 A.M.
October	·64	·26	·38	7 ,,	7 & 10 ,,
November	·40	·10	·30	3 ,,	11 P.M.
December	·55	·12	·43	4 ,,	2 A.M.

SYNOPSIS OF THE STATE OF THE WEATHER, 1863.

View of the Horizon.—The horizon of Bombay is seldom seen to be perfectly clear; it is generally obscured by mists which present different forms in different parts of the horizon. In the eastern horizon, in winter, it sometimes appears on the opposite shore and hills in separate horizontal layers having a clear distinct boundary; it always disappears as the sun advances in the sky. What is called haze and fog in the hot season, has a whitish appearance, no distinct boundary, and sometimes envelops the whole of the Island of Bombay, and prevents a clear view of an object at a short distance; it seldom rises more than 10 or 15 degrees in height; it sometimes vanishes at about noon, but generally remains in a more or less dense state during day and night, and consequently very few stars can be seen in the east horizon before they have attained a considerable altitude.

In the SW, W and NW horizon the mist has a smoky blackish appearance; it never rises more than ten degrees in height, and has a tolerably distinct boundary line parallel to the visible horizon.

JANUARY.

During this month there were three cloudless days, viz. 2nd, 7th and 9th instants. On the 6th, 10th, 23rd, 24th and 31st, a few clouds were seen in the horizon during the day time, and their extent was less than one-eighth part of the whole sky. On the remaining days of the month the sky was partially clouded with cirri and cirro-cumuli, with the exception of the 22nd, on which day dense masses of nimbi were seen flying from NW to SE; light rain fell in the morning and fresh breezes from West and South-West were blowing all the day. Dew was generally observed during this month.

FEBRUARY.

In this month, 4th, 5th, 10th, 11th, 13th, 18th, 20th, 21st, 23rd, 24th, 25th, 26th, and 28th, were entire cloudless days. On the 2nd, 7th, 12th, 14th, and 27th, a few clouds were seen around the horizon at about sunrise or sunset, the amount of which was less than one-eighth part of the whole sky. 3rd, 6th, 9th, 17th and 19th were days on which the sky was partially clouded with cirri and cirro-cumuli. There were marked five days only on which the fall of dew was not in an appreciable quantity. Cold breezes were blowing occasionally in the afternoon about the close of this month.

March.

There were only three cloudless days during this month—1st, 5th and 14th. The 7th was almost a cloudless day, as a few streaks of cirri were seen in the east horizon at sunrise. With the exception of these days during the first half of this month, cirri and cirro-cumuli were often observed in the forenoon; in the latter half the weather was a little disturbed; ranges of cumulus were seen along the NE and E horizon through which lightning often proceeded. On the 17th instant drops of rain fell in the morning; the fall of dew was often observed in this month. The following are the days on which lightning was seen after sunset:—

Lightning.....16th, 17th, 18th, 19th, 20th, 21st, 24th, 25th, 26th and 31st.

April.

During the whole of this month, except the 7th and 8th, which were almost cloudless days, the sky was more or less cloudy; but in the early part of the month the clouds were of higher sorts, and in the latter part they were of more denser sorts. On the 22nd, 23rd and 24th instants the state of the weather was very much disturbed; the sky was densely clouded with cirro-cumuli and nimbi; cumulus and cumulo-stratus of gloomy appearance were seen along the NE, E and SE horizon in the afternoon, through which lightning was flashing continuously after sunset. On the morning of the 24th, at about 3 a. m., a thunder-storm burst upon Bombay from SE with strong wind and slight rain.

The following is the list of remarkable days in this month:—

Lightning	10, 11,	17, 18,	20, 21, 22, 23, 24, 25, 26, 27 and 28.
Thunder			24.
Rain			23, 24.
Wind			24.

May.

In this month the sky was partially clouded with cirri, cirro-cumuli and nimbi, but nimbi more prevailing: motion of the clouds in the early part of the month was E and SE, but afterwards it gradually changed into NE and E. Cumulus and cumulo-stratus were seldom observed, and there were only three days on which lightning was recorded. On the morning of the 25th a good deal of lightning and thunder was registered, and drops of rain often fell from passing masses of nimbi. Between 7th and 16th instants there was slight fall of dew sometimes. The undermentioned are the remarkable days in this month:—

Lightning	5,		25, and 26.
Thunder			25.
Slight rain	6,	22, 23,	25, 26, 27, 28, 29 and 30.

June.

Throughout this month the sky was densely clouded with cirro-cumuli and nimbi, but the prevailing cloud was nimbus; in the beginning of this month ranges of cumuli and cumulo-strati were seen extended in NE, E and SE. Motion of the clouds was generally NE and N. On the 4th, 5th and 6th, a great deal of lightning and thunder seems to have ushered in the SW monsoon, which may be said to have regularly set in after the 10th instant. The fall of rain was equal to the usual quantity for this month. The following are the remarkable days during this month:—

Lightning	4,	5,	6,	8,							12.																			
Thunder	4,	5,	6.																											
Rain	4,	5,	6,	8,	9,	10,	11,	12,	13,	14,	15,	16,	17,	18,	19,	20,	23,	24,	25,	26,	27,	28,	29.							
Wind				8,		10,	11,	12,			15,				19,		22.													

JULY.

During this month the sky was generally overcast with nimbi, through which often poured down heavy showers of rain. Neither lightning nor thunder was ever recorded in this month. Except the 1st instant, more or less fall of rain was registered every day, and the total fall for the month was more than double of that of the corresponding month last year. The following are the days on which the wind blew with more than ordinary force;—

Wind 6, 7, 10, 11, 14, 17, 18, 20, 21, 23, 24, 29, 30, 31.

AUGUST.

In this month the sky was clouded as in the last month, but sometimes cirri and cirro-cumuli were observed. Motion of the clouds at the commencement of the month was E and ENE, but towards the close it was SE. Total fall of rain was a little less than the fall in August 1862. The wind blew in strong gusts on the 13th and 14th instants.

SEPTEMBER.

In this month the sky was clouded with cirri, cirro-cumuli and nimbi, but nimbi prevailing. Ranges of cumuli appeared in the east after the 23rd instant, but no lightning was seen to proceed from them. Motion of the clouds dwindled between NE and SE. Slight fall of dew was noticed after the 25th instant. Fall of rain in this month, though equal to the average fall, was about 11 inches less than the fall of September last year. There were no remarkable days in this month for wind; it never blew with a force of more than one pound. Following are the rainy days in this month:—

1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 20, 24, 28.

OCTOBER.

Throughout this month the sky was more or less clouded with all sorts of clouds, except the 10th, 29th and 31st, which were almost cloudless days. Ranges of cumulus and cumulo-stratus were generally seen extending in the eastern horizon in the afternoon, through which lightning often proceeded. Two thunder-storms occurred in this month, one on the 14th instant accompanied with a squall of wind, and the other with gusts of wind on the 21st instant: this was the end of the south-west monsoon, though the sky remained densely clouded up to the 28th instant. In this month the wind often took unusual sweeps and blew in a varied direction; fall of dew was recorded sometimes. Remarkable days in this month were as follows:—

For lightning	6	14, 15, 16, 17,	20, 21, 22, 23, 24, 26.
For thunder		14, 15,	21.
For rain	3	14, 15,	21, 27.

NOVEMBER.

During the first half of this month the sky was cloudless, serene and beautiful, except light mist and once or twice light cirri were observed in the morning and evening; in the latter half from 16th to 23rd it was partially clouded with dense cirri and cirro-cumuli and from 23rd cirri were occasionally observed in the day time. The direction of wind was settled; it blew regularly into land and sea breezes, except on four or five days it took unusual sweeps. The fall of dew was much more plentiful and regular in the first half of this month than it was in the latter half.

DECEMBER.

In this month for the first five days the sky was partially clouded with cirri; between the 7th and 12th the weather was rather disturbed; the sky was densely clouded with cirri, cirro-cumuli and nimbi; cumulus and cumulo-stratus were seen in the evening along the east horizon; and lightning proceeded from them on the 8th, 9th, 10th and 11th after sunset, but no thunder was heard. In the latter part of this month there were six days on which no clouds were registered; on two days only a few cirri were observed, and on the remaining days cirri were observed more or less in extent, but no other sort of clouds. Fall of dew was noticed every day, and wind blew regularly into land and sea breezes.

TABLE CIX.—*Showing the Number of Days of the occurrence of each Phenomena which come under the head "Weather" during the Year* 1863.

Months, 1863.	Number of Days in each Month.									
	Entire Cloudless days.	Almost Cloudless days.	Lightning & Thunder, together.	Lightning only.	Fall of Rain less than 0·01 inch.	Fall of Rain more than 0·01 inch.	Wind abnormal.	Force of Wind above 11b.	Meteorological Disturbances.	Magnetic Disturbances.
January	3	5	None	None	None	1	4	8	2	2
February ..	13	5	None	None	None	None	None	6	None	None
March.....	3	1	None	10	1	None	8	8	1	None
April	None	2	1	11	1	1	9	8	2	1
May	None	None	1	2	5	4	1	3	1	None
June	None	None	3	2	2	21	5	19	3	None
July	None	None	None	None	1	26	1	20	3	2
August	None	None	None	None	2	22	1	8	2	1
September ..	None	None	None	None	2	17	8	1	1	2
October	None	3	3	8	4	5	13	15	9	2
November ..	8	4	None	None	None	None	4	14	1	None
December ..	4	4	None	4	None	None	None	2	2	None
Sums	31	—24	—8	37	18	97	54	112	27	10
Difference of 1863 above the average of last 10 years.	+10	—2	—8	0	—6 Above the mean of 6 years.	+10	—3 Above the mean of 2 years.	+7	—12 Above the average of 5 years.	—3 Above the average of 5 years.

Sundays and three or four other leave days were thrown out of calculation in finding out these results.

TABLE CX.—*Mean Portion of Cloudy Sky (the whole being equal to* 8 *parts) for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
1				2.0	3.1		7.3	7.9	7.9	6.0		0.5
2				1.2	3.7	3.8	7.8		6.7	4.4		2.4
3	1.4	0.9	0.2			6.8	7.6	8.0	8.0	5.9		4.2
4			1.3	0.4	3.1	5.6	8.0	8.0	8.0			0·7
5	1.8				3.7	5.6		8.0	8.0	5.3	0.1	
6		0.1		0.8	2.5	6.7	8.0	7.8		5.9	0.4	
7					3.2		8.0	7·4	8.0	6.6		0.8
8	0.8			0.1	3.9	7.3	8.0	7.3	7.9	5.3		1.8
9		0.3	3.5	0·3	3.7	6.8	8.0		7.4	1.7		6.5
10			2.4	0.6		6.5	8.0	7.7	8.0			6.7
11			2.2	0.1	2.8	7.0	7.1	8.0	7·6			2.3
12	0.8		1.0		5.0	7.3		8.0	6.4	3.6		0.4
13	4.2		0.6	2.9	4.9	7.5	8.0	8.0		3.3		
14	6.1			3.3	5.0		7.7	8.0	7.8	5.2		
15	4.6			2.3	3.5	8.0	7.5	8.0	7.4	6.7		0.6
16	1.0		1.5	0.4	3.8	8.0	7.8		6.3	4.4	3.3	0.2
17	3.4	0.1	3.0	0.3		8.0	7.5	7.9	7.6	2.4	5.8	
18			0.5	2.7	4.9	7.7	7.5	7.8	5.2		5.9	0.3
19	2.2	0.1	1.7		4.6	7.7		8.0	3.8	3.8	5.7	0.7
20	1.2		2.0	2.0	3.5	8.0	7.4	7.6		7.8	5·0	
21	2.4		2.4	2.0	2.9		7.1	7.8	6.2	7.8	2.0	0.2
22	5.8			4·8	4.2	7.6	8.0	7.9	5.1	7.0		
23			0.8	4.3	5.2	7.2	8.0		4.8	4·7	0.1	
24			2.3	4.6		7.4	8.0	8.0	5.5	4·9		
25			3.1	2.5	5.0	7.5	8.0	7.6	5.5			0.2
26	3.4		2.5		5.6	7.8		5.8	6.4	5.5		
27	3.2		1·2	3.3	4.8	7.6	7.6			5.0	0·6	
28	3.2		0.5	3.1	3.8		8.0	7.9	4.3	0.7	0.2	0.7
29	2.2			4.5	3.5	7.9	8.0	7.4	3.5		2.5	
30	1.0		0.3	2.2	3.4	7.6	7.9	7.8	4.0	0.4		0.3
31	1.0		3.2		3.6		8.0					

TABLE CXI.—*Showing, for each Month, the Mean Portion of Cloudy Sky and its Periodic Changes from the Mean of the Year.*

Months, 1863.	Mean Portion of Cloudy Sky.	Difference from the Mean of the year.	FOR SEASONS.
January	1·9	− 1·9	
February	0·2	− 3·6	Mean of {Jan., Feb., March, Oct., Nov., Dec.} or Winter ..... 1·7
March	1·5	− 2·3	
April	2·0	− 1·8	
May	3·9	0·1	Mean of {April, May, June, July, Aug., Sept.} or Summer ..... 5·8
June	7·2	3·4	
July	7·7	3·9	Mean of the Year ..... 3·8
August	7·7	3·9	
September	6·4	2·6	Greatest Monthly Mean in July and August .... 7·7
October	4·2	0·4	Least Monthly Mean in February ..... 0·2
November	1·3	− 2·5	
December	1·1	− 2·7	Difference..... 7·5

TABLE CXII.—*Mean Portion of Cloudy Sky (the whole being equal to 8 parts) in each Month for each Hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Midnight.	0.9	0.1	1.0	2.5	3.4	7.5	7.8	8.0	6.9	4.4	1.2	1.1
1 A.M.	1.4	0.3	1.2	2.7	4.0	7.3	7.9	7.9	6.2	4.4	1.3	0.3
2 „	1.6	0.4	1.5	2.5	4.4	7.5	7.8	7.9	6.5	4.3	1.3	0.8
3 „	1.7	0.4	1.8	2.6	4.7	7.4	7.8	7.7	6.0	3.9	1.2	0.8
4 „	1.6	0.3	1.8	2.5	5.0	6.8	7.8	7.8	6.1	3.8	1.4	0.7
5 „	1.8	0.1	2.2	3.0	5.0	7.0	8.0	7.9	6.5	4.0	1.3	0.9
6 „	2.7	0.2	2.7	3.0	5.0	6.9	7.9	7.9	6.7	4.7	1.5	1.2
7 „	2.7	0.2	2.7	2.9	5.0	7.0	8.0	7.9	6.8	4.2	1.7	1.3
8 „	2.3	0.3	2.3	2.1	5.0	7.3	7.9	7.6	7.0	4.1	1.7	1.2
9 „	2.2	0.2	1.8	2.2	3.7	7.2	7.9	7.6	7.1	4.3	1.3	1.3
10 „	2.2	0.2	1.4	1.7	3.3	7.1	7.8	8.0	7.0	4.4	1.2	1.2
11 „	2.3	0.2	1.2	1.6	3.3	7.3	7.8	7.6	7.0	4.6	1.0	1.2
Noon.	2.5	0.2	1.0	1.4	2.9	7.2	7.7	7.3	7.0	4.7	1.0	1.3
1 P.M.	2.5	0.2	1.0	1.5	3.2	6.9	7.8	7.5	6.3	4.8	1.3	1.2
2 „	2.7	0.3	0.9	1.5	3.3	6.4	7.8	7.7	6.2	4.8	1.5	1.2
3 „	2.4	0.3	0.8	1.6	3.5	6.7	7.8	7.6	5.6	4.7	1.5	1.3
4 „	2.4	0.3	1.0	1.8	4.0	7.3	7.8	7.6	6.0	4.7	1.3	1.4
5 „	2.1	0.2	1.1	1.5	4.0	7.3	7.6	7.6	6.2	3.9	1.4	1.6
6 „	2.2	0.1	1.3	1.5	4.3	7.2	7.5	7.8	6.4	4.2	1.2	1.8
7 „	1.4	0.1	1.2	1.6	4.3	7.6	7.7	7.8	6.2	3.4	1.2	1.3
8 „	1.1		1.3	1.3	3.4	7.6	7.4	7.7	6.2	3.6	1.3	1.1
9 „	0.9		1.2	1.5	2.9	7.2	7.5	7.7	6.4	3.8	1.0	0.9
10 „	0.8		1.2	2.1	3.2	7.6	7.5	7.9	6.3	3.9	1.2	0.8
11 „	0.8		1.1	2.5	3.3	7.2	7.6	7.9	6.3	4.0	1.4	0.3

TABLE CXIII.—*Showing, for the Year* 1863, *the Mean Portion of Cloudy Sky for each hour of Bombay Civil Time, and also its Diurnal Changes from the Mean of the Year.*

Bombay Civil Time.	Mean.	Difference from the Mean of the whole.	FOR DAY AND NIGHT.
Midnight.	3·7	− 0·1	
1 A.M.	3·7	− 0·1	
2 „	3·9	0·1	
3 „	3·8	0·0	
4 „	3·8	0·0	Mean of {6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M.} or Night .. 3·7
5 „	4·0	0·2	
6 „	4·2	0·4	
7 „	4·2	0·4	Mean of {6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M.} or Day .... 3·9
8 „	4·1	0·3	
9 „	3·9	0·1	
10 „	3·8	0·0	Mean Annual.... 3·8
11 „	3·8	0·0	
Noon.	3·7	− 0·1	
1 P.M.	3·7	− 0·1	
2 „	3·7	− 0·1	
3 „	3·7	− 0·1	TIMES OF MEAN MAXIMUM AND MINIMUM.
4 „	3·8	0·0	
5 „	3·7	− 0·1	A Maximum at 6 and 7 A.M.
6 „	3·8	0·0	A Minimum at 9 P.M.
7 „	3·7	− 0·1	
8 „	3·5	− 0·3	
9 „	3·4	− 0·4	
10 „	3·5	− 0·3	
11 „	3·5	− 0·3	

TABLE CXIV.—*Showing, for the Year* 1863, *the hours of Bombay Civil Time at which the Mean Portion of Cloudy Sky in each Month was at its Maximum and Minimum.*

Months, 1863.	The Mean Hourly Portion of Cloudy Sky.		Mean Diurnal Range.	The Time at which the Mean Hourly Portion of Cloudy Sky was at its	
	Maximum.	Minimum.		Maximum.	Minimum.
January	2·7	0·8	1·9	6 & 7 A.M.	10 & 11 P.M.
February	0·4	0·0	0·4	2 & 3 „	Uncertain.
March	2·7	0·8	1·9	6 & 7 „	3 P.M.
April	3·0	1·3	1·7	5 & 6 „	8 „
May.....	5·0	2·9	2·1	Uncertain.	Noon & 9 „
June.....	7·6	6·4	1·2	„	2 „
July.....	8·0	7·4	0·6	5 & 7 A.M.	8 „
August.....	8·0	7·3	0·7	Midnt. & 10 A.M.	Noon.
September	7·1	5·6	1·5	9 „	3 „
October	4·8	3·4	1·4	1·2 P.M.	7 „
November	1·7	1·0	0·7	7 & 8 A.M.	Noon.
December.....	1·8	0·3	1·5	6 P.M.	1 A.M.

TABLE CXV.—*Fall of Rain in Inches measured by Newman's Gauge for each day of Bombay Civil Time.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.			in.	in.	in.	in.	in.	in.	in.		
1								0.15	0.13			
2							0.01					
3							.14	.16	.04	0.01		
4							.21	.14	1.26			
5						0.58	1.18	.10	0.82			
6						.16	0.05		.96			
7						2.28	.43	.04	.53			
8						0.10	.96	.01	1.42			
9						.02	1.70	.11	0.09			
10						1.21	2.89	.20	1.12			
11						0.06	0.39	.20	0.83			
12						.07	3.69	3.16	.18			
13						4.00	1.77	0.46				
14						2.34	0.21	.85	.65	0.16		
15						3.20	.03	.63	.15	.17		
16						1.38	.61	.21	.23			
17						0.38	.37	.48	.53			
18						1.66	1.11	.18	.14			
19						0.46	0.20	.86				
20						3.39	.25	.18	.73			
21						0.28	.26	.11		1.36		
22	0.41						.24	.26				
23						.27	2.16	.04				
24				0.11		.89	8.14	.21	.16			
25						.03	1.83					
26					0.04	.53	0.38	.07				
27					.01		.04	.06		0.62		
28					.01	.11	.06	1.03	.01			
29					.01	.01	1.02					
30							0.10					
31							.35	0.70				

TABLE CXVI.—*Showing, for each Month, the Fall of Rain measured by Newman's Gauge and the Number of Rainy Days.*

Months, 1863.	Fall of Rain.	Number of Rainy Days.	FOR SEASONS.
	in.		in.
January	0·41	1	Mean of { Jan., Feb., March, / Oct., Nov., Dec. } or Winter .... 2·73
February			
March			
April	0·11	1	Mean of { April, May, June, / July, Aug., Sept. } or Summer .. 74·95
May	0·07	4	
June.....	23·41	23	Total fall of the Year ..... 77·68
July.....	30·78	30	
August	10·60	26	
September	9·98	19	Greatest Monthly Fall in July.....
October	2·32	5	Least Monthly Fall in May.....
November			None in Feb., March, Nov., & Dec.
December			

TABLE CXVII.—*Fall of Rain measured by Newman's Gauge in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.			in.	in.	in.	in.	in.	in.	in.		
Midnight.						0.81	0.63	0.30	0.31	0·04		
1 A.M.						1.89	.78	.58	.03	.09		
2 „	0.10					2.47	.97	.26	.26	.38		
3 „						0.55	1.10	.49	.34	.15		
4 „	0.30			·0.02		1.35	1.16	.29	.67	.07		
5 „				.04		0.58	1.30	.13	1.87	.06		
6 „					0.01	1.13	1.40	.41	0.65			
7 „	0.01					0.48	1.77	.43	.53	.01		
8 „					.01	1.02	2.00	.70	.26			
9 „					.01	0.76	0.59	.74	.35			
10 „						.46	.86	1.09	.76			
11 „						1.58	1.19	0.68	.29			
Noon.						1.00	0.84	.57	.39			
1 P.M.						0·61	1.75	.48	.25			
2 „						·47	0.62	.97	.13			
3 „						.93	.85	.37	.07			
4 „						.93	2.01	.40	.01			
5 „					0.04	.72	1.85	.18	.02	0.09		
6 „						1.68	2.30	.14	.06	.76		
7 „				0.01		1·81	2.14	.56	1.43	.05		
8 „				.04		0.66	1.80	.24	0.90	.17		
9 „						·49	1.81	.28	.16	.41		
10 „						·51	0.41	.24	.14	.04		
11 „						.43	·65	.07	.10			

TABLE CXVIII.—*Showing, for the Year* 1863, *the Fall of Rain for each hour of Bombay Civil Time as measured by Newman's Gauge.*

Bombay Civil Time.	Fall of Rain by Newman's Gauge.	FOR DAY AND NIGHT.
	in.	
Midnight.	2·09	
1 A.M	3·37	
2 „	4·44	in.
3 „	2·53	Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night .... 40·95
4 „	3·86	
5 „	3·98	
6 „	3·60	
7 „	3·23	Mean of { 6, 7, 8, 9 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day ..... 36·73
8 „	3·99	
9 „	2·45	
10 „	3·17	Annual Fall..... 77·68
11 „	3·74	
Noon.	2·80	
1 P.M.	3.09	
2 „	2·19	
3 „	2·22	
4 „	3·35	
5 „	2 90	
6 „	4·94	
7 „	6·10	
8 „	3·81	
9 „	3·14	
10 „	1·34	
11 „	1·25	

TABLE CXIX.—*Fall of Rain measured by Osler's Gauge.*

Date, 1863.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	October.	Nov.	Dec.
	in.			in.	in.	in.	in.	in.	in.	in.		
1								0.14	0.13			
2							0.01					
3							.13	.16	0.03	0.01		
4							.20	.12	1.28			
5						0.53	1.32	.09	0.82			
6						.13	0.05		1.04			
7						2.29	.35	.04	0.55			
8						0.09	.97	.01	1.46			
9						.02	1.54	.10	0.09			
10						1.21	2.80	.20	1.11			
11						0.03	0.43	.20	0.90			
12						.05	3.61	2.96	0.19			
13						3.77	1.71	0.44				
14						2.24	0.18	.85	0.66	0.13		
15						3.18	.04	.67	.15	.14		
16						1.24	.51	.20	.24			
17						0.26	0.40	.52	.51			
18						1.48	1.02	.22	.16			
19						0.44	0.37	.72				
20						2.92	.10	.18	.73			
21						0.32	.24	.11		1.20		
22	0.41						.22	.18				
23						0.22	1.97	.05				
24				0.09		.82	7.77	.19	.08			
25						.01	2.45					
26					0.04	.55	0.39	.11				
27					.01		.04	.06		0.58		
28					.01	.11	.05	1.09	.01			
29					.01	.01	1.03					
30							0.10					
31							0.31	0.69				

TABLE CXX.—*Showing, for each Month, the Fall of Rain by Osler's Gauge and the number of Rainy Days.*

Months, 1863.	Fall of Rain.	Number of Rainy Days.	FOR SEASONS.
	in.		
January	0·41	1	Mean of { Jan., Feb., March, Oct., Nov., Dec. } or Winter. 2·47
February			
March			
April	0·09	1	Mean of { April, May, June, July, Aug., Sept. } or Summer 72·83
May	0·07	4	
June.....	21·92		Total Fall of the Year .. 75·30
July.....	30·31	30	
August.....	10·30	26	Greatest Monthly Fall in July.....
September	10·14	19	Least Monthly Fall in May .....
October	2·06	5	
November			None in Feb., March, Nov., and Dec.
December.....			

TABLE CXXI.—*Fall of Rain measured by Osler's Gauge in each Month for each hour of Bombay Civil Time.*

Bombay Civil Time.	MONTHS, 1863.											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
	in.			in.	in.	in.	in.	in.	in.	in.		
Midnight.						0.74	0.65	0.30	0.31	0.03		
1 A. M.						1.74	.69	.65	.03	.08		
2 „	0.10					2.40	1.06	.27	.27	.42		
3 „						0.57	1.16	.43	.34	.13		
4 „	0.30			0.02		1.17	0.58	.28	.64	.06		
5 „				.03		0.47	1.58	.12	.81			
6 „					0.01	1.16	1.42	.39	0.75			
7 „	0.01					0.30	1.74	.44	.54			
8 „					0.01	1.07	1.81	.65	.23			
9 „					0.01	0.84	0.72	.71	.37	.01		
10 „						0.44	0.88	1.13	.71			
11 „						1.53	1.02	0.72	.35			
Noon.						0.97	0.88	.61	.44			
1 P.M.						.49	1.68	.34	.27			
2 „						.50	0.53	.93	.12			
3 „						.78	.81	.34	.07			
4 „						.73	1.60	.38	.01			
5 „					0.04	.64	2.11	.17	.02	0.09		
6 „						1.55	2.21	.15	.06	.68		
7 „				0.01		1.78	2.04	.55	1.45	.03		
8 „				.03		0.62	1.61	.21	0.91	.12		
9 „						.55	2.56	.25	.15	.38		
10 „						.43	0.45	.21	.17	.03		
11 „						.45	.52	.07	.12			

TABLE CXXII.—*Showing, for the Year* 1863, *the Fall of Rain by Osler's self-registering Rain Gauge for each hour of Bombay Civil Time.*

Bombay Civil Time.	Fall of Rain by Osler's Rain Gauge.	FOR DAY AND NIGHT.
	in.	
Midnight.	2·03	
1 A.M.	3·19	
2 „	4·52	
3 „	2·63	in.
4 „	3·05	Mean of { 6, 7, 8, 9, 10, 11, P.M. / Midnt. 1, 2, 3, 4, 5, A.M. } or Night..... 39·78
5 „	4·01	
6 „	3·73	
7 „	3·03	
8 „	3·77	Mean of { 6, 7, 8, 9, 10, 11, A.M. / Noon 1, 2, 3, 4, 5, P.M. } or Day..... 35·52
9 „	2·66	
10 „	3·16	
11 „	3·62	Annual Fall..... 75·30
Noon.	2·90	
1 P.M.	2·78	
2 „	2·08	
3 „	2·00	
4 „	2·72	
5 „	3·07	
6 „	4·65	
7 „	5·86	
8 „	3·50	
9 „	3·89	
10 „	1·29	
11 „	1·16	

TABLE CXXIII.—*Showing the state of Weather, Barometeric Height, Temperature of Air, and Force of Wind, on all the Meteorological Disturbance Days in the year* 1863.

Month and Day.		Barometer Corrected.		Temperature.		Mean Daily Pressure of Moisture.	Wind.		State of Weather.
		Mean Daily Height.	Excess above the average.	Daily Mean.	Excess above the average.		Direction.	Force.	
		in.	in.	°	°	in.		lb.	
January	22	29.988	0.062	70.4	−4.0	0.590	Abnormal.	2.3	Densely clouded, rain at night.
,,	23	30.018	.093	67.3	−7.2	.482	Northerly.	1.4	Clouded around the horizon.
March	17	29.826	−.025	79.2	−0.7	.702	Regular.	Light.	Cloudy, lightning; slight rain.
April	7	.759	−.041	81.7	−0.6	.771	,,	1.4	A few clouds; lightning.
,,	24	.736	−.043	85.7	2.0	.893	Southerly.	2.0	Lightning, thunder and rain.
May	5	.780	.019	85.1	0.3	.866	Regular.	Light.	Cloudy, lightning.
June	8	.577	−.093	81.2	−2.6	.905	Southerly.	3.0	Densely clouded; lightning.
,,	17	.548	−.100	81.2	−2.0	.916	,,	Light.	Overcast, rain.
,,	22	.510	−.137	82.6	−0.2	.923	SW	2.0	,, ,,
July	8	.500	−.144	79.4	−2.2	.800	Westerly	1.3	,, ,,
,,	20	.639	−.014	81.2	0.1	.889	SW	2.5	Clouded, light rain.
,,	24	.594	−.069	77.6	−3.5	.863	Westerly.	2.3	Overcast, rain.
August	13	.562	−.147	77.9	−2.7	.861	WSW	7.0	Overcast.
,,	22	.739	−.014	79.4	−1.1	.862	,,	1.3	Cloudy, light rain.
September	21	.759	−.020	80.3	−0.4	.797	Abnormal on the preceding day.	Light.	Cloudy.
October	2	.763	−.038	81.4	0.3	.835	Abnormal on the following day.	,,	Cloudy, ⌇ and ⌇.
,,	14	.819	−.009	82.4	0.7	.839	Abnormal.	7.7	Lightning, thunder and rain.
,,	15	.818	−.010	82.3	0.6	.876	,,	Light.	,, ,,
,,	21	.748	−.092	83.3	2.1	.815	,,	1.7	,, ,,
,,	22	.819	−.024	81.2	0.2	.849	,,	1.7	,, ,,
,,	23	.845	.000	81.0	−0.1	.839	,,	Light.	⌇, ⌇ and ⌇; lightning.
,,	24	.841	−.006	81.4	0.4	.850	,,	,,	,, ,,
,,	26	.772	−.079	81.2	0.4	.807	,,	2.7	,, ,,
,,	27	.742	−.108	78.0	−2.8	.730	,,	3.5	Densely clouded; rain.
November	6	.823	−.050	78.1	−1.9	.754	,,	Light.	Partially clouded.
December	7	.865	−.046	76.6	−0.2	.650	Regular.	,,	Cloudy; lightning on the following day.
,,	31	.918	−.014	72.6	−2.3	.523	,,	1.0	Cloudless.

TABLE CXXIV.—*Showing the Changes of all the Meteorological Elements during the Year* 1863, *reduced from the Results of each Element in the preceding pages.*

Meteorological Elements.	Diurnal Ranges.			Periodical Changes.			Difference between Night and Day.		
	Winter.	Summer.	Mean Range.	Mean Value in Winter.	Mean Value in Summer.	Annual Mean.	Mean of the Day.	Mean of the Night.	Difference.
Standard Barometer No. 58.....	0.118	0.085	0.102	29.886	29.698	29.792	29.799	29.785	0.014
Temperature External and Free Air.	12.8	7.6	10.2	77.6	82.0	79.8	82.0	77.6	4.4
Air within the Observatory	6.3	3.5	4.9	80.5	83.5	82.0	82.7	81.3	1.4
Ground one inch below the surface.	7.7	4.4	6.1	77.2	81.7	79.5	80.4	78.5	1.9
Ground nine inches below the surface	1.2	0.9	1.0	78.7	82.8	80.7	80.6	80.8	-0.2
Ground twenty inches below the surface	+	+	+	82.3	85.3	83.8	83.8	83.8	0.0
Ground sixty inches below the surface	+	+	+	83.1	84.9	84.0	84.0	84.0	0.0
Temperature of Evaporation.....	5.8	3.6	4.7	70.2	77.1	73.7	74.2	73.1	1.1
Dew-point	4.8	1.8	3.3	66.7	75.3	71.0	71.3	71.5	-0.2
Pressure of Moisture.....	0.100	0.049	0.074	0·657	0.862	0.760	0.757	0.763	-0.006
Humidity of Air.....	0.27	0.16	0.21	0.71	0.81	0.76	0.71	0.81	- 0.10
Pressure of supposed Dry Air	0.165	0.098	0.131	29.228	28.836	29.032	29.042	29.021	0.021
Weight (in grains) of a Cubic Foot of Common Air.....	17	10	14	506	495	500	498	503	-5
Weight (in grains) of Vapour in a Cubic Foot of Common Air ..	1.0	0.7	0.8	7.2	9.2	8.2	8.2	8.2	0.0
Weight (in grains) of Vapour required for complete saturation of a Cubic Foot of Common Air	4.1	2.5	3.3	2.9	2·3	2.6	3.4	1.9	1.5
Quantity of Water Evaporated....	0.016	0.010	0.013	49.319	38.005	87.324	0.014	0.007	0.007
Azimuth of Wind	-78	-22	-50	-15	-99	-57	-54	-60	-6
Force of Wind	0.47	0.36	0 41	0.31	0.45	0.38	0.40	0.36	0.04
Extent of Cloudy Sky	1.3	1.3	1.3	1.7	5.8	3.8	3.9	3.7	0.2
Fall of rain by Newman's Gauge..	*	*	*	2.73	74.95	77.68	36.73	40.95	-4.22

TABLE CXXV.—*Showing the Mean Hourly, Monthly, and Annual Values of Meteorological Elements as deduced from the Results of the last Seventeen Years*, 1847—63 (*inclusive*).

Bombay Civil Time.	Standard Barometer No. 38, corrected.	Temperature Free Air.	Temperature of Air within the Observatory by L. H. F. Thermometer.	Temperature of Ground one inch below its Surface.	Temperature of Ground nine inches below its Surface.	Temperature of Evaporation or Wet-Bulb Thermometer.	Temperature of deduced Dew-Point.	Pressure of Moisture.	Humidity of Air.	Pressure of supposed Dry Air.	Weight, in Grains, of a Cubic Foot of Common Air.	Weight, in Grains, of Vapour in a Cubic Foot of Air.	Weight, in Grains, of Vapour required for complete Saturation of a Cubic Foot of Air.	Deduced quantity of Water evaporated in the Air.	Azimuth of Wind.	Force of Wind.	Extent of Cloudy Sky.	Fall of Rain.
	in.			*	*			in.		in.	grs.	grs.	grs.	in.	°	lbs.	•	in.
Midnight.	29.807	77°3	81°7	78°2	81°2	73°5	72°0	0.776	0.85	29.031	505	8.4	1.5	0.006	– 54	0.16	3.4	2.69
1 A.M.	.792	77.0	81.5	78.0	81.2	73.4	71.8	.770	.85	.022	505	8.4	1.5	.006	– 52	.16	3.4	3.12
2 „	.782	76.7	81.3	77.7	81.1	73.2	71.6	.766	.86	.016	505	8.4	1.5	.005	– 49	.17	3.5	3.33
3 „	.774	76.4	81.1	77.4	81.0	72.9	71.3	.759	.85	.015	505	8.1	1.5	.006	– 47	.17	3.4	3.06
4 „	.776	76.1	80.9	77.1	80.9	72.7	71.2	.755	.86	.021	505	8.1	1.5	.005	– 43	.16	3.4	3.81
5 „	.786	75.8	80.7	76.8	80.9	72.5	71.1	.754	.86	.032	506	8.1	1.5	.005	– 42	.16	3.7	3.42
6 „	.804	75.7	80.5	76.7	80.8	72.2	70.7	.743	.89	.061	506	8.1	1.5	.005	– 40	.14	4.0	3.27
7 „	.827	76.3	80.5	77.2	80.7	73.1	71.6	.765	.84	.062	506	8.4	1.5	.006	– 36	.14	4.0	3.45
8 „	.848	79.2	81.1	78.2	80.7	74.0	71.8	.772	.79	.076	501	8.4	2.4	.009	– 33	.15	3.9	3.42
9 „	.858	81.3	82.0	79 3	80.8	74.7	72.0	.777	.74	.081	499	8.4	3.1	.011	– 32	.16	3.8	3.55
10 „	.858	82.9	83.0	80.3	80.9	75.2	72.1	.778	.70	.080	498	8.4	3.5	.014	– 34	.17	3.6	3.23
11 „	.845	84.0	83.8	81.2	81.0	75.7	72.3	.784	.69	.061	497	8.6	3.6	.015	– 41	.19	3.5	2.94
Noon.	.823	85.0	84.5	82.0	81.1	75.9	72.2	.782	.67	.041	494	8.6	4.2	.016	– 52	.22	3.4	2.62
1 P.M.	.782	85.5	85.1	82.6	81.2	76.3	72.7	.792	.66	28.990	493	8.6	4.3	.017	– 63	.29	3.5	2.60
2 „	.776	85.6	85.3	82.9	81.3	76.5	73.1	.802	.67	.974	492	8.6	4.3	.016	– 66	.35	3.4	2.45
3 „	.762	85.1	85.3	83.0	81.4	76.5	73.1	.803	.68	.959	493	8.7	3.9	.015	– 67	.41	3.4	3.02
4 „	.757	84.3	85.0	82.7	81.5	76.3	73.1	.803	.70	.954	495	8.6	3.6	.014	– 68	.39	3.5	2.52
5 „	.763	82.6	81.3	81.8	81.6	75.8	73.1	.804	.74	.959	496	8.7	3.1	.012	– 66	.37	3.6	2.25
6 „	.775	80.8	83.5	80.8	81.5	75.2	73.2	.805	.78	.970	498	8.7	2.4	.010	– 64	.36	3.7	2.78
7 „	.788	79.8	83.0	80.2	81.5	74.9	73.1	.804	.80	.989	500	8.7	2.1	.008	– 61	.36	3.4	2.79
8 „	.810	79.3	82.7	79.7	81.5	74.7	72.7	.793	.81	29.017	502	8.7	1.8	.008	– 60	.31	3.1	2.87
9 „	.823	78 6	82.4	79.3	81.4	74.3	72.5	.786	.82	.037	502	8.4	2.1	.007	– 57	.23	3.1	2.57
10 „	.825	78.0	82.1	78.9	81.4	73.9	72.1	.778	.83	.047	504	8.4	1.8	.007	– 55	.18	3.2	3.18
11 „	.818	77.6	81.9	78.5	81.3	73.7	71.9	.774	.84	.044	504	8.4	1.8	.006	– 55	.16	3.2	2.64
January	29.931	73.9	77.5	73.4	75.9	67.6	64.4	0.605	0.74*	29.326	511	6.7	2.4	6.802	– 4	0.22	1.4	0.05
February	.903	75.9	78.9	75.6	77.0	68.9	65.3*	.624	.71	.279	508	6.9	2.7	7.174	– 18	.22	1.1	0.00
March	.854	79.7	82.2	78.0	79.2	73 0	70.1	.730	.72	.124	501	7.9	2.8	8.198	– 17	.26	1.4	0.00
April	.791	83.1	85.1	82.2	82.8	76.5	74.0	.826	.75	28.965	496	9.0	2.9	8.358	– 50	.29	1.9	0.07
May.....	.744	85.6	87.3	84.7	85.3	78.9	76.4	.892	.75	.852	492	9.8	3 0	9.317	– 84	.29	3.2	0.78
June	.646	83.3	85.1	83.1	84.9	79.2	77.7	.931	.85	.715	493	10.1	1.8	5.240	–124	.43	6.4	22.99
July.....	.643	81.3	83.2	81.4	83.2	78.4	77.3	.919	.88	.724	496	10.0	1.2	3.817	–114	.48	7.2	24.19
August.....	.712	80.4	82.5*	80.4	82.1	77.3	76.1	.884	.87	.828	498	9.6	1.4	4.076	– 98	.43	7.0	10.86
September ..	.767	80.3	82.5	80.4	81.8	76.8	75.5	.867	.86	.900	498	9.4	1.5	4.310	– 78	.20	5.9	10.04
October	.827	81.7	84.2	81.5	82.7	76.9	75.1	.856	.81	.971	498	9.3	2.1	6.168	– 23	.18	3.4	2.05
November ..	.892	79.3	82.6	78.6	80.6	72.3	69.1	.707	.72	29.185	503	7.7	2.9	8.294	– 5	.16	1.8	0.52
December....	.933	75.9	79.6	75.8	78.3	68.8	65.3	.623	.71	.310	508	6.8	2.8	7.967	– 1	.19	1.3	0.07
Annual Mean .	29.804	80.0	82.6	79.6	81.1	74.5	72.2	0.784	0.78	29.020	500	8.6	2.3	79.721	– 52	0.27	3.5	71.62

* These are the Means of four years only.

TABLE CXXVI.—*Showing the Periodical and Diurnal Changes of the Meteorological Elements, deduced from the last Seventeen Years*, 1847—63 (*inclusive*).

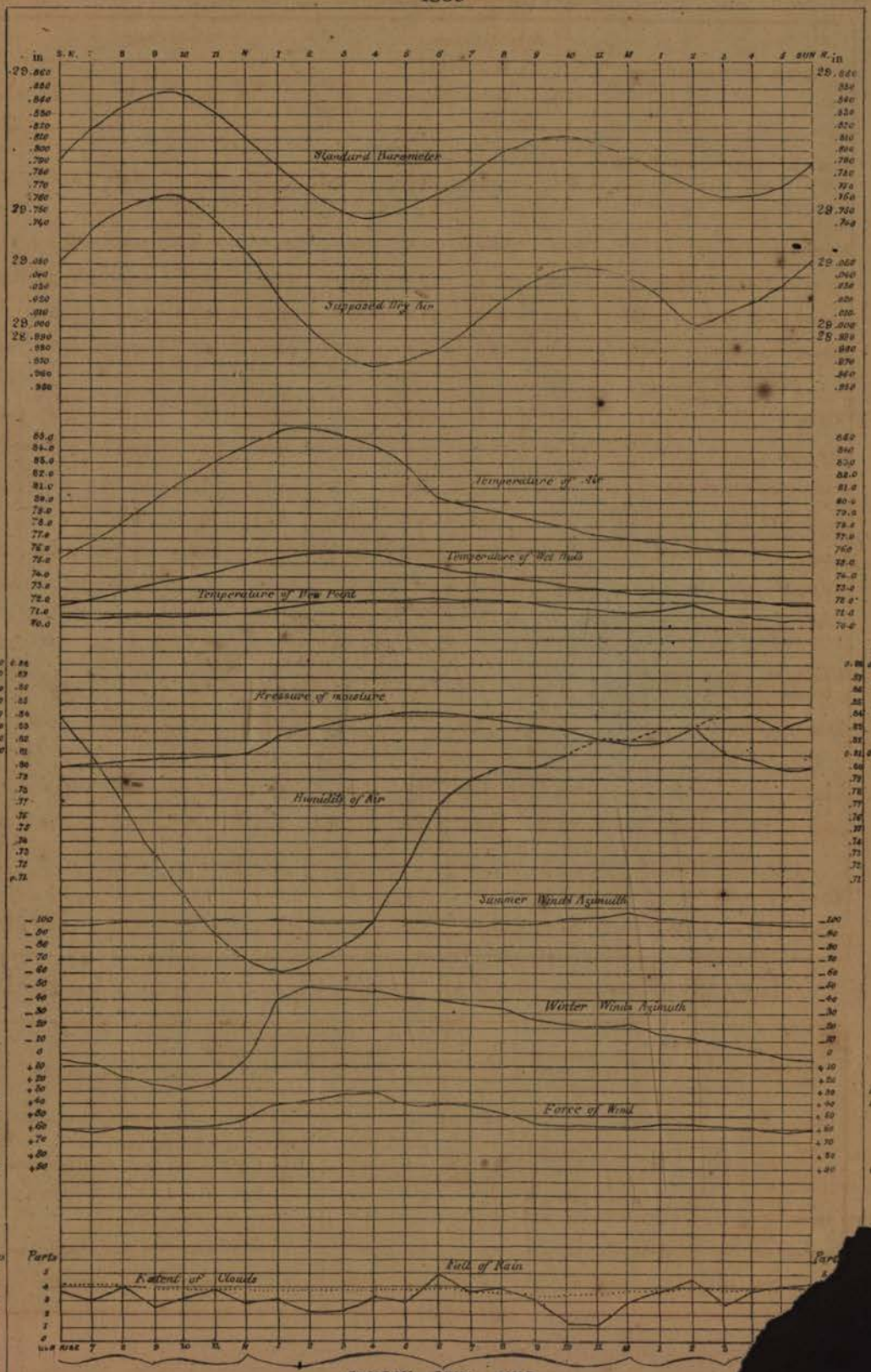
Names of Meteorological Elements.	Periodical Changes.			Diurnal Changes.					
	Summer.	Autumn.	Winter.	6 A. M. to 11 A. M.	Noon to 5 P. M.	Day.	6 A. M. to 11 P. M.	Midnight to 5 A. M.	Night.
Barometer corrected for Temperature	29.759	29.737	29.915	29.840	29.777	29.808	29.806	29.786	29.796
Temperature.									
External and Free Air	82.9	80.9	76.3	79.9	84.7	82.3	79.0	76.6	77.8
Air within the Observatory	84.9	83.1	79.7	81.8	84.9	83.3	82.6	81.2	81.9
Ground 1 inch below the surface	82.0	80.9	75.8	78.8	82.5	80.7	79.6	77.5	78.5
Ground 9 inches below the surface	83.1	82.5	77.9	80.8	81.4	81.1	81.4	81.1	81.2
Hygrometric Elements.									
Wet Bulb	76.9	77.4	69.4	74.1	76.2	75.1	74.5	73.0	73.8
Dew-point	74.6	76.0	66.0	71.8	72.9	72.4	72.6	71.5	72.0
Pressure of Moisture	0.845	0.881	0.640	0.770	0.798	0.784	0.790	0.763	0.777
Humidity of Air	0.77	0.86	0.72	0.78	0.69	0.73	0.81	0.86	0.83
Pressure of supposed Dry Air	28.914	28.856	29.275	29.070	28.979	29.024	29.016	29.023	29.019
Weight of a Cubic Foot of Air	496	497	507	501	494	497	502	506	504
Weight of Vapour in a Cubic Foot of Common Air	9.2	9.6	7.0	8.6	8.6	8.6	8.6	8.3	8.5
Weight of Vapour required for complete saturation	2.6	1.6	2.7	2.6	3.9	3.2	2.0	1.5	1.8
Quantity of Evaporation	7.778	4.593	7.559	0.010	0.016	0.013	0.008	0.006	0.007
Wind.									
Azimuth	– 69	– 78	– 7	– 36	– 64	– 59	– 59	– 48	– 53
Force	0.32	0.32	0.20	0.16	0.34	0.25	0.27	0.16	0.22
Weather.									
Extent of Clouds in the Sky	3.2	5.9	1.4	3.8	3.5	3.6	3.3	3.5	3.4
Rain by Newman's Gauge	23.84	47.14	0.64	19.86	15.46	35.32	16.83	19.43	71.58

TABLE CXXVII.—*Showing the principal Wind Storms that occurred at Bombay during the year* 1863.

Day and Month.	The Storm first appeared in the form of ∩ above the horizon at Bombay.	The Storm first broke over the Observatory.	Approximate time when it was over.	The Direction from which it came.	Maximum force of Wind during its continuance.	Remarks.
June 9th	Uncertain.	10h. 45m. A.M.	11h. P.M.	SSE.	7·0	∿, ∿, and rain.
„ 13th	„	6h. 20m. „	6h. 50m. A.M.	NW.	4·0	Overcast; smart showers of rain.
„ 15th	„	10h. „	1h. 20m. P.M.	SW.	7·0	„ „ „
„ 20th	„	19th 10h. P.M.	8h. A.M.	SW.	6·0	„ „ „
August 13th	„	13th 1h. A.M.	15th 6h. „	SW.	4·0	Overcast.
„ 14th	„	„	„	„	6·5	„
October 14th	Since the morning.	6h. 10m. P.M.	10h. „ P.M.	ESE.	7·7	Overcast; lightning, thunder, and rain.
„ 27th	Since 20th.	26th 8h. „	1h. 30m. A.M.	SSW.	3·5	Densely clouded; light rain.

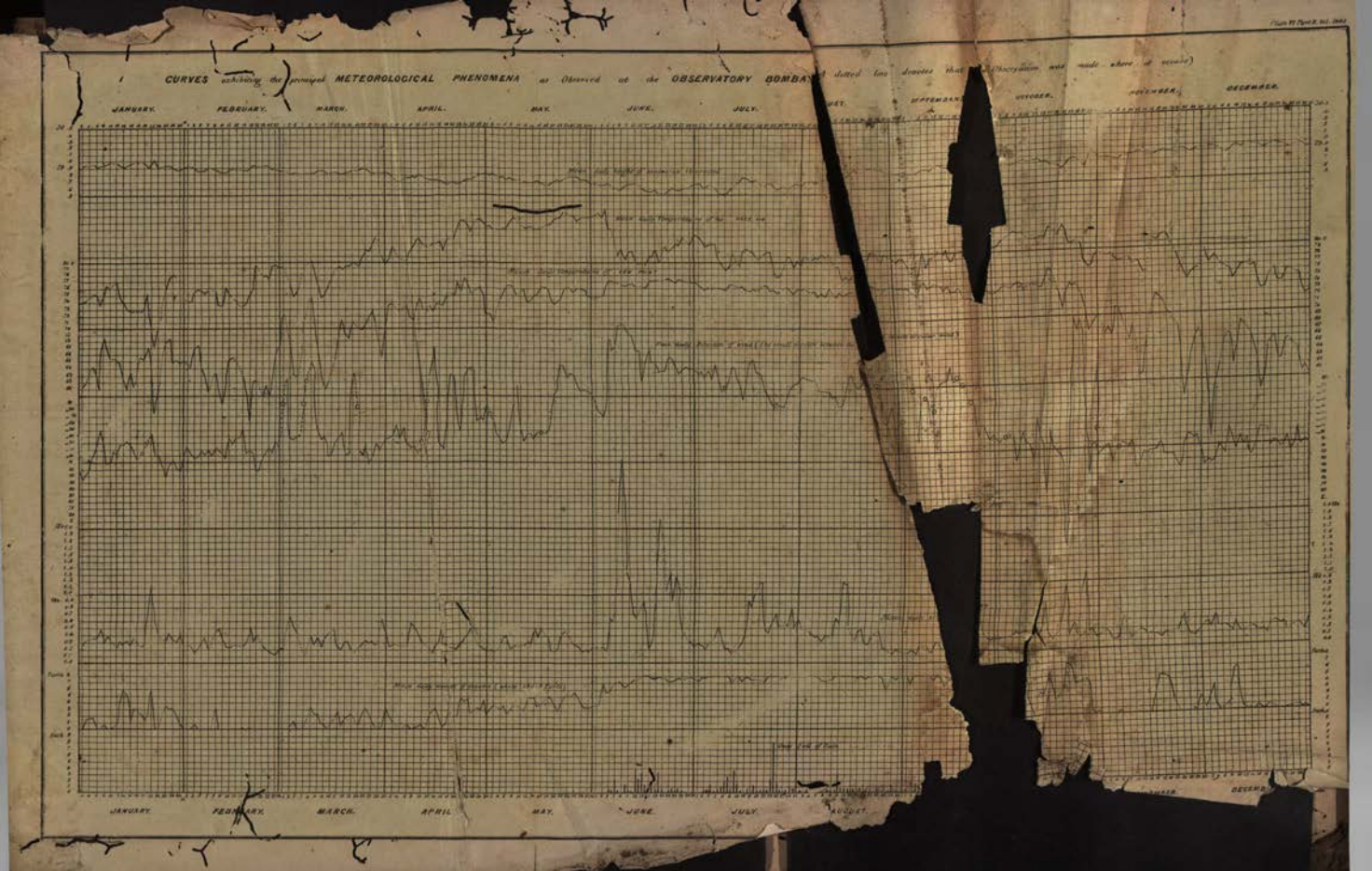
HOURLY CHANGES OF METEOROLOGICAL ELEMENTS

1863



Drawn by S. C.

Curved by Nara Balkr


CURVES exhibiting the principal METEOROLOGICAL PHENOMENA as Observed at the OBSERVATORY BOMBAY
JANUARY.
FEBRUARY.
MARCH.
APRIL.
MAY.
JUNE.
JULY.
AUGUST.
SEPTEMBER.
OCTOBER.
NOVEMBER.
DECEMBER.

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